

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011620\
 Data File : VN059745.D
 Acq On : 16 Jan 2020 20:22
 Operator : JC/MD
 Sample : L1159-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4001157623

Quant Time: Jan 17 04:39:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119927	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107826	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	7.57	113	95113	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.08	98	353137	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	123458	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds						Qvalue
4) Vinyl Chloride	2.17	62	763	0.278	ug/l	98
8) Diethyl Ether	3.39	74	3269	2.829	ug/l	86
11) Tert butyl alcohol	4.72	59	3362946	8594.004	ug/l	99
13) Acrolein	3.77	56	60	0.217	ug/l #	13
14) Allyl chloride	4.23	41	18492	7.164	ug/l #	39
15) Acrylonitrile	4.72	53	25664	28.751	ug/l #	21
16) Acetone	3.78	43	572559	741.884	ug/l	96
17) Carbon Disulfide	4.03	76	3581	0.656	ug/l #	75
18) Methyl Acetate	4.29	43	3202	1.179	ug/l #	88
19) Methyl tert-butyl Ether	5.00	73	19161	3.069	ug/l	94
20) Methylene Chloride	4.52	84	62	Below Cal	#	4
25) 2-Butanone	6.80	43	776922	590.216	ug/l	94
26) 2,2-Dichloropropane	6.78	77	135885	39.546	ug/l #	55
27) cis-1,2-Dichloroethene	6.79	96	730	0.312	ug/l #	1
28) Bromochloromethane	7.16	49	583	0.408	ug/l #	18
29) Tetrahydrofuran	7.18	42	522885	642.016	ug/l #	86
30) Chloroform	7.35	83	1779	0.480	ug/l	84
31) Cyclohexane	7.64	56	3856	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14248	5.283	ug/l #	50
37) Ethyl Acetate	6.80	43	776922	307.171	ug/l #	86
38) Carbon Tetrachloride	7.64	117	19066	6.499	ug/l #	16
40) Benzene	8.02	78	45364	5.640	ug/l	100
41) Methacrylonitrile	7.18	41	328418	263.617	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	2139	0.784	ug/l #	78
43) Isopropyl Acetate	8.10	43	12869	2.958	ug/l #	58
49) 1,4-Dioxane	9.18	88	4448	124.862	ug/l #	78
51) 4-Methyl-2-Pentanone	9.97	43	46202	18.372	ug/l	98
52) Toluene	10.14	92	21770	4.285	ug/l	94
55) 1,1,2-Trichloroethane	10.45	97	1250	0.621	ug/l #	31
56) Ethyl methacrylate	10.34	69	1716	0.558	ug/l #	55
59) 2-Hexanone	10.60	43	11058	5.969	ug/l	84
65) Chlorobenzene	11.43	112	7918	1.498	ug/l	91
67) Ethyl Benzene	11.50	91	73774	7.691	ug/l	98
68) m/p-Xylenes	11.61	106	36899	10.183	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

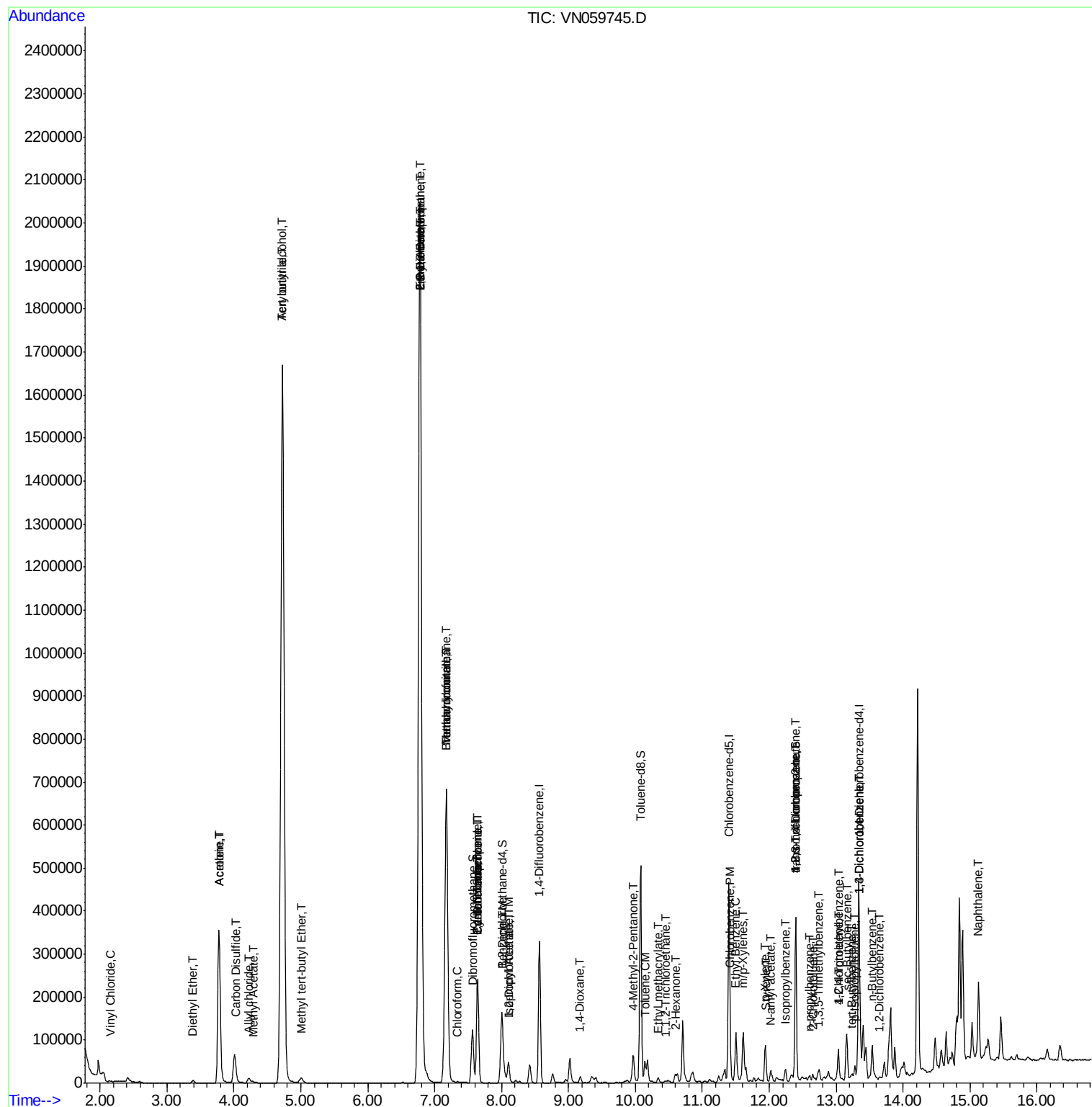
69) o-Xylene	11.94	106	21847	6.159	ug/l	95
70) Styrene	11.96	104	3884	0.654	ug/l #	26
73) Isopropylbenzene	12.24	105	12659	1.439	ug/l	96
74) N-amyl acetate	12.02	43	15341	4.495	ug/l #	56
76) 1,2,3-Trichloropropane	12.39	75	62121	30.780	ug/l #	100
78) n-propylbenzene	12.59	91	3510	0.356	ug/l	99
79) 2-Chlorotoluene	12.66	91	2986	0.508	ug/l #	68
80) 1,3,5-Trimethylbenzene	12.73	105	6695	0.905	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	62121	66.099	ug/l #	11
82) 4-Chlorotoluene	13.03	91	4144	0.704	ug/l	99
83) tert-Butylbenzene	13.23	119	2773	0.433	ug/l	74
84) 1,2,4-Trimethylbenzene	13.03	105	35852	4.899	ug/l	97
85) sec-Butylbenzene	13.15	105	2541	0.302	ug/l	94
86) p-Isopropyltoluene	13.28	119	15996	2.057	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	27355	7.070	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	27355	7.087	ug/l	97
89) n-Butylbenzene	13.54	91	6104	0.920	ug/l #	45
91) 1,2-Dichlorobenzene	13.65	146	1346	0.352	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	278	Below Cal	#	6
95) Naphthalene	15.13	128	157061	24.025	ug/l	99

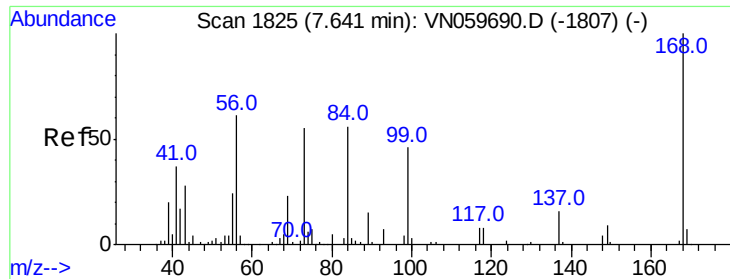
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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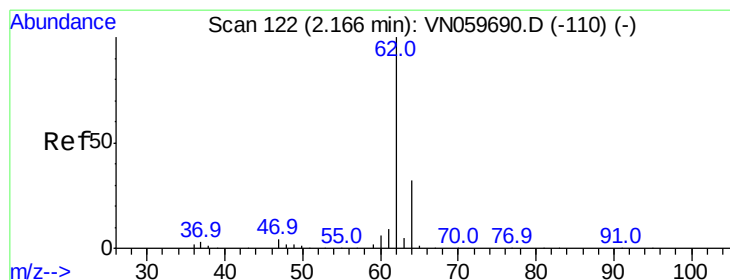
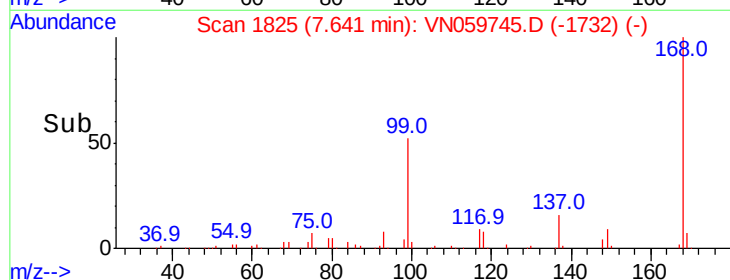
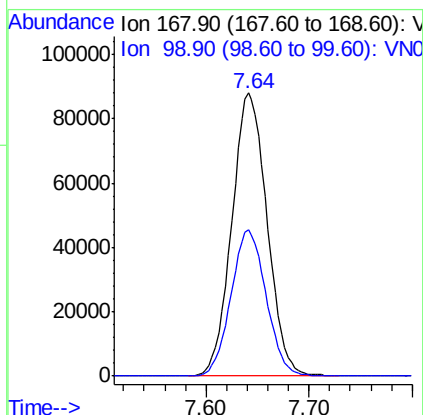
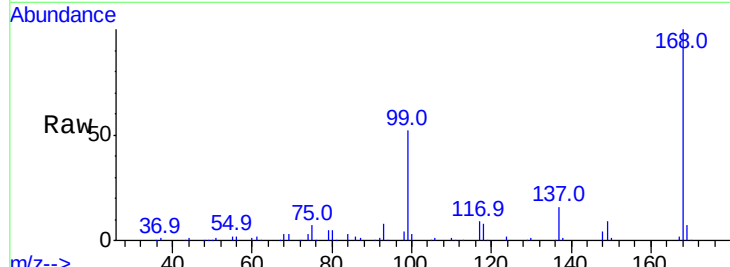




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

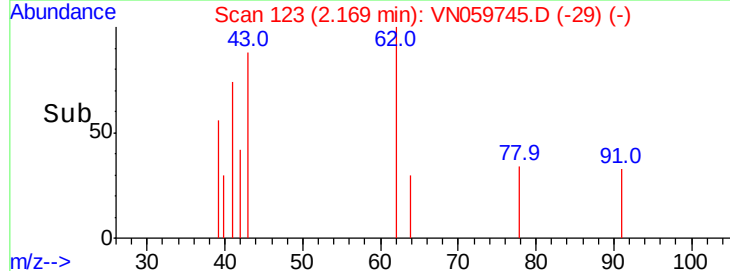
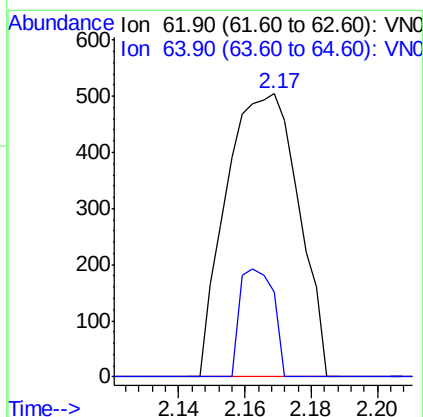
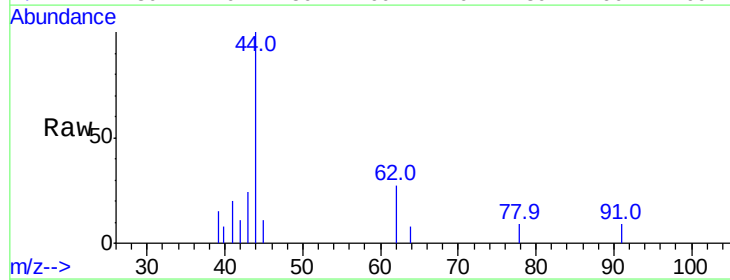
Instrument :
MSVOA_N
ClientSampleId :
4001157623

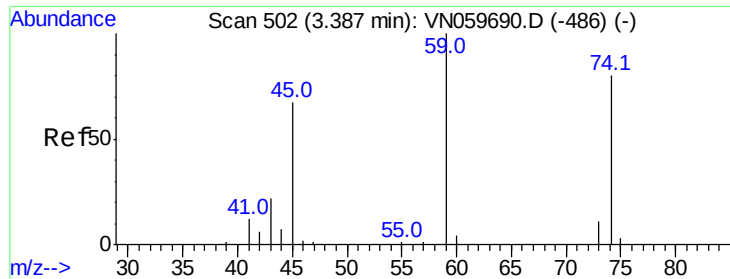
Tgt Ion: 168 Resp: 209313
Ion Ratio Lower Upper
168 100
99 51.7 48.2 72.4



#4
Vinyl Chloride
Concen: 0.278 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 62 Resp: 763
Ion Ratio Lower Upper
62 100
64 30.0 24.6 37.0

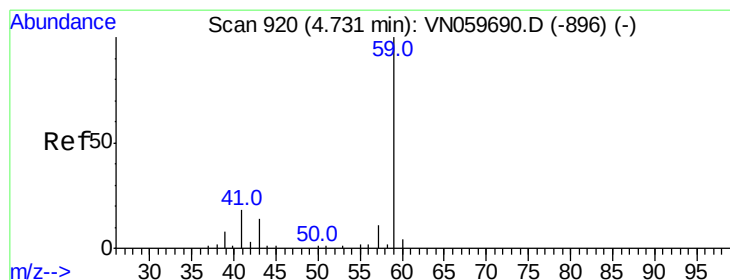
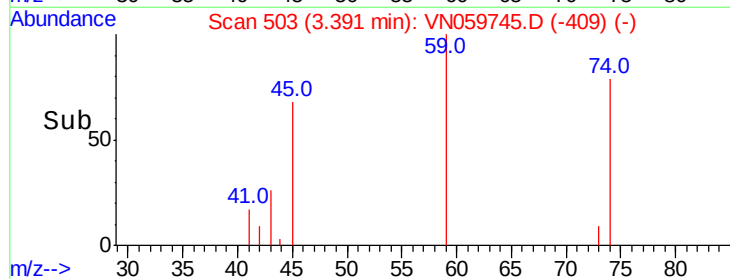
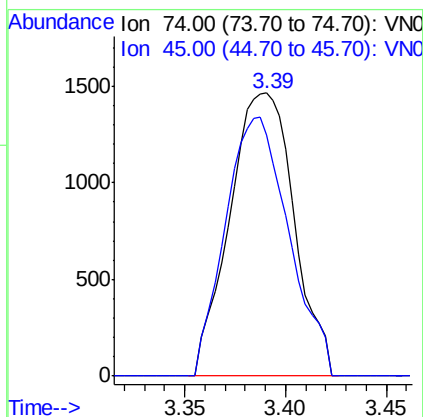
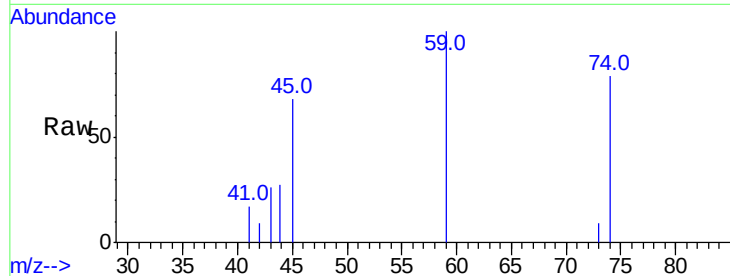




#8
Diethyl Ether
Concen: 2.829 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

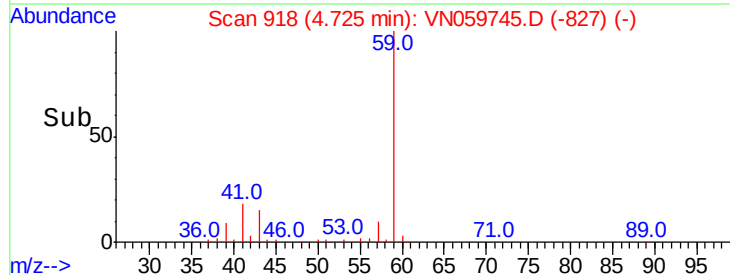
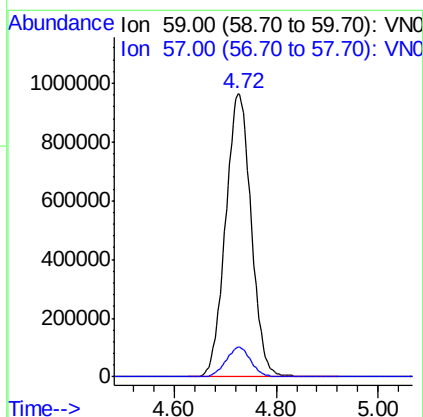
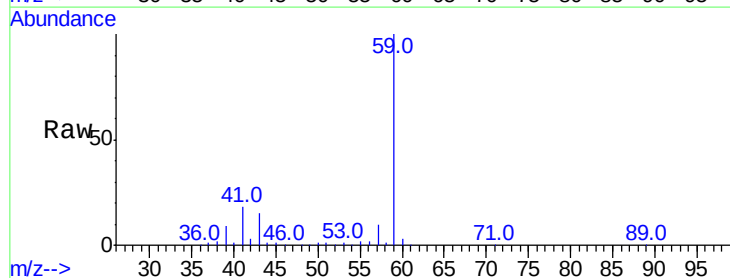
Instrument :
MSVOA_N
ClientSampleId :
4001157623

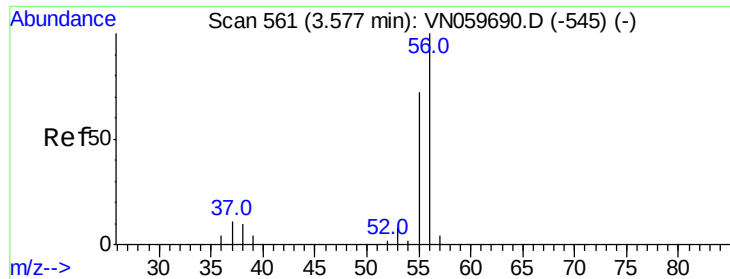
Tgt Ion: 74 Resp: 3269
Ion Ratio Lower Upper
74 100
45 90.0 51.9 155.8



#11
Tert butyl alcohol
Concen: 8594.004 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 59 Resp: 3362946
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8





#13

Acrolein

Concen: 0.217 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.19 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampled :

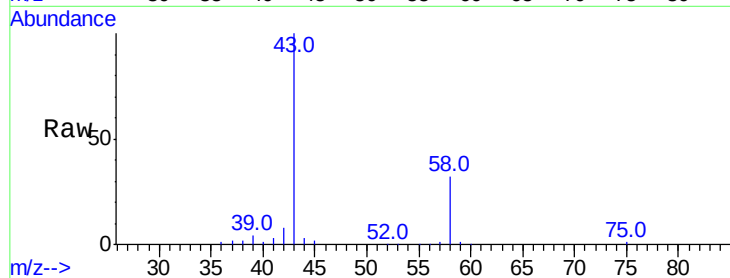
4001157623

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

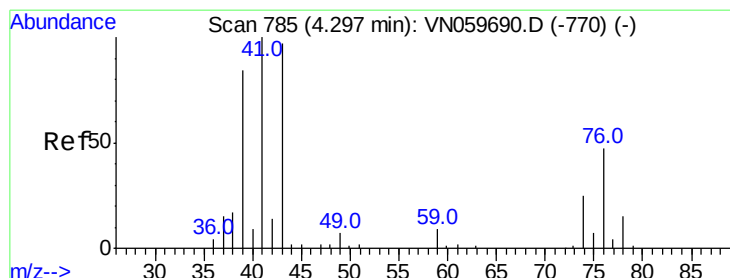
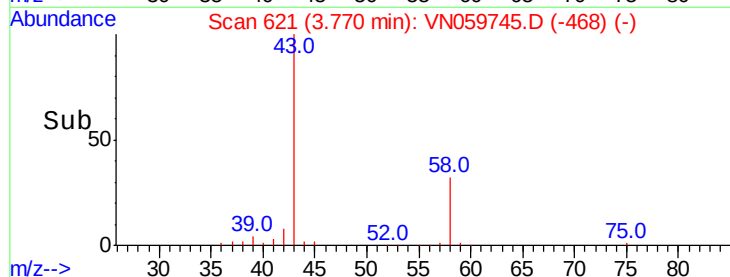
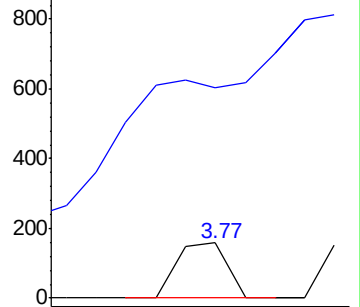
56 100

55 0.0 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 7.164 ug/l

RT: 4.23 min Scan# 763

Delta R.T. -0.07 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

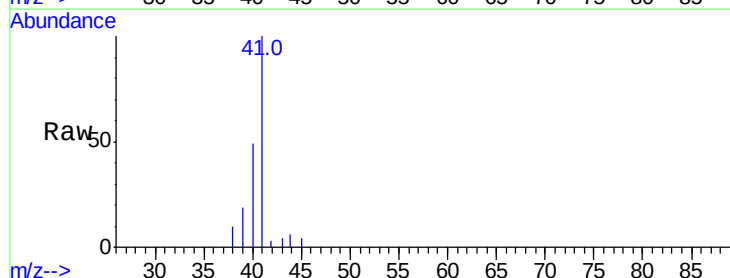
Tgt Ion: 41 Resp: 18492

Ion Ratio Lower Upper

41 100

39 20.5 57.8 86.8#

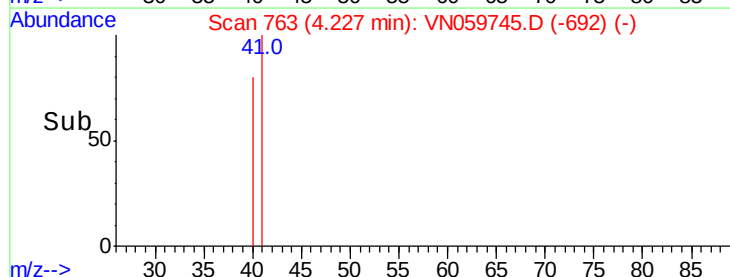
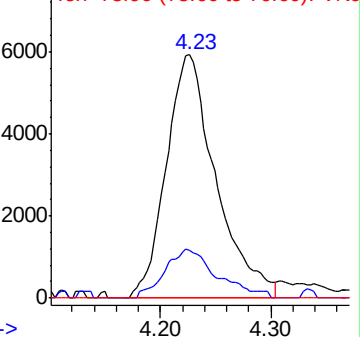
76 0.0 25.4 38.0#

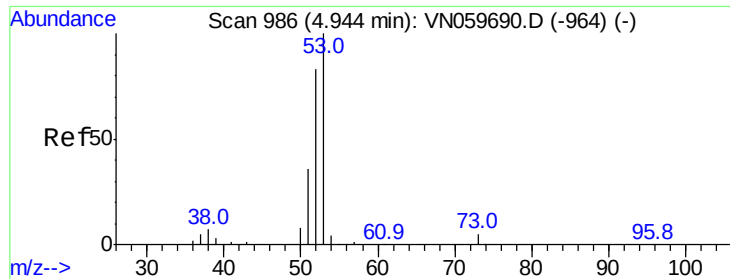


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

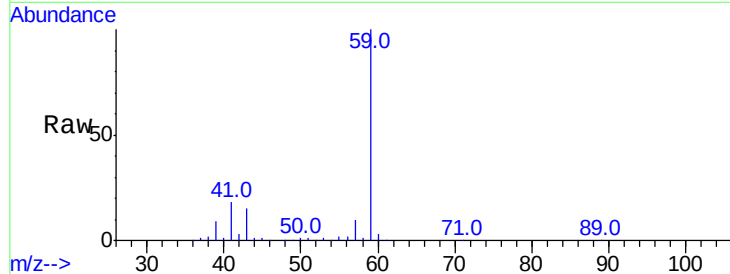




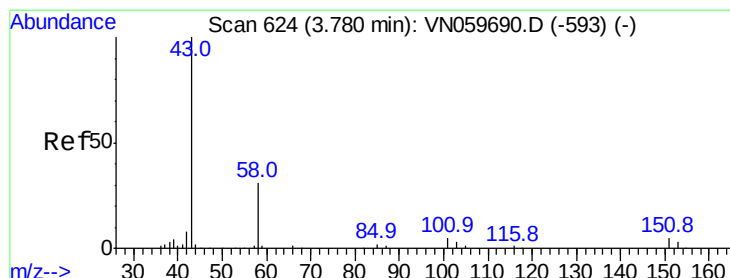
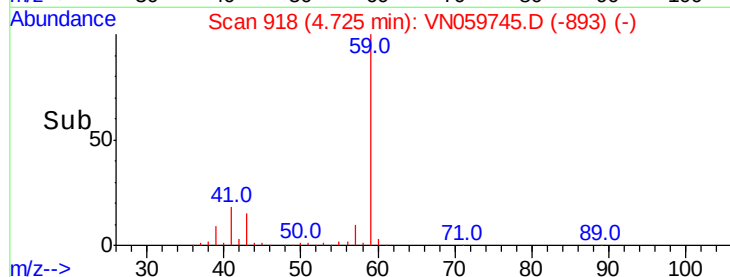
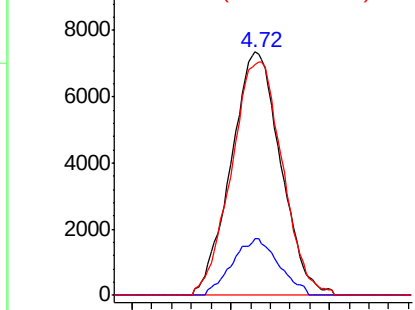
#15
 Acrylonitrile
 Concen: 28.751 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.22 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Instrument :
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Tgt Ion: 53 Resp: 25664
 Ion Ratio Lower Upper
 53 100
 52 21.7 66.3 99.5#
 51 98.3 29.7 44.5#

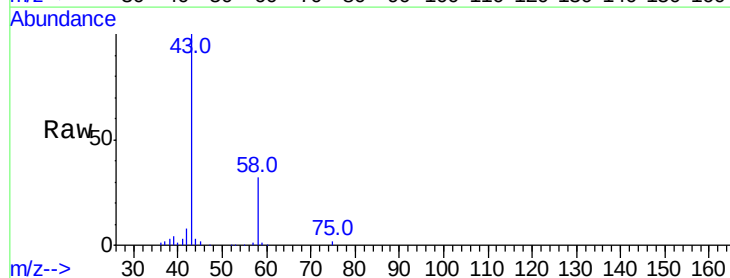


Abundance Ion 53.00 (52.70 to 53.70): VNC
 Ion 52.00 (51.70 to 52.70): VNC
 Ion 51.00 (50.70 to 51.70): VNC

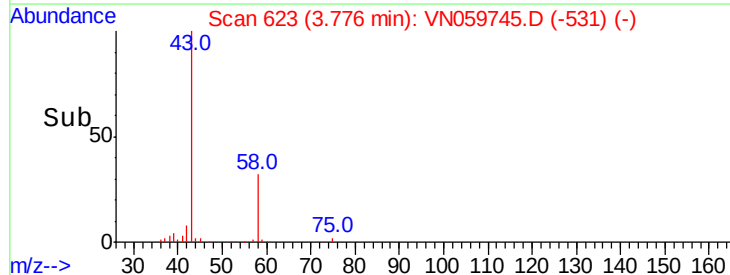
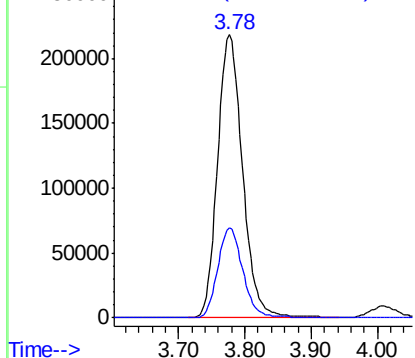


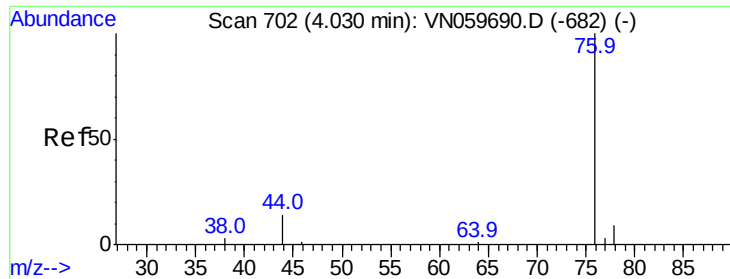
#16
 Acetone
 Concen: 741.884 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 572559
 Ion Ratio Lower Upper
 43 100
 58 31.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 58.00 (57.70 to 58.70): VNC

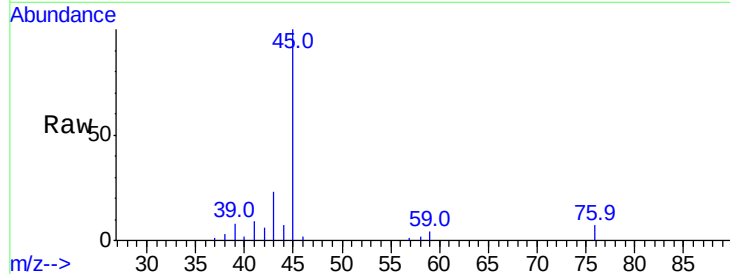




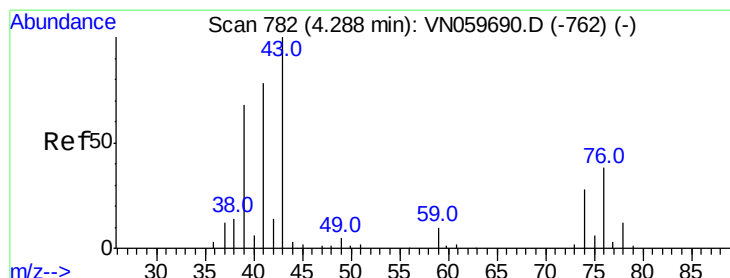
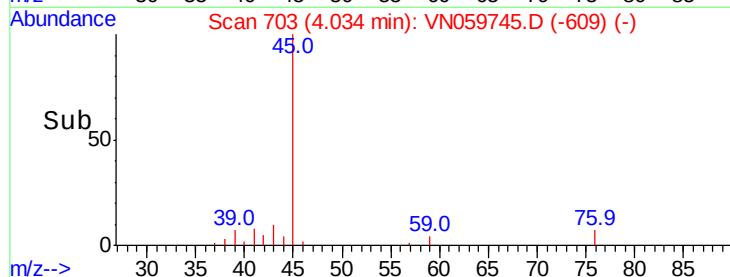
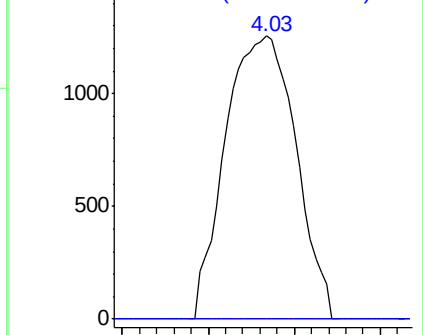
#17
Carbon Disulfide
Concen: 0.656 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059745.D
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Tgt Ion: 76 Resp: 3581
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

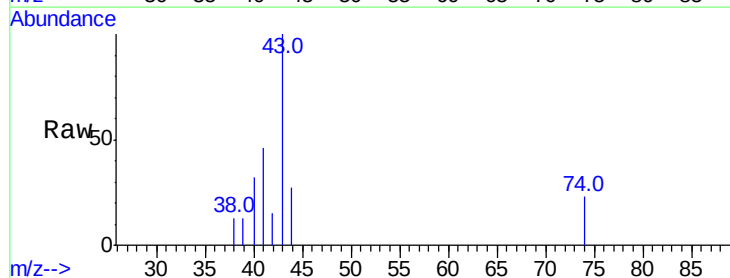


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

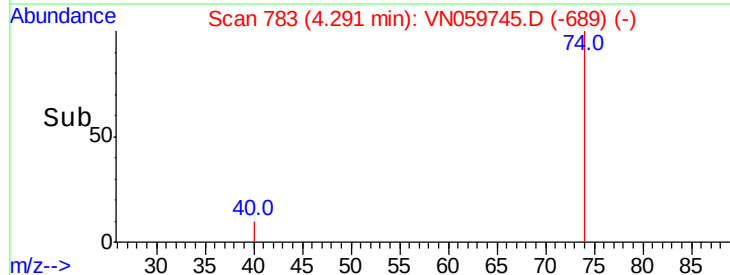
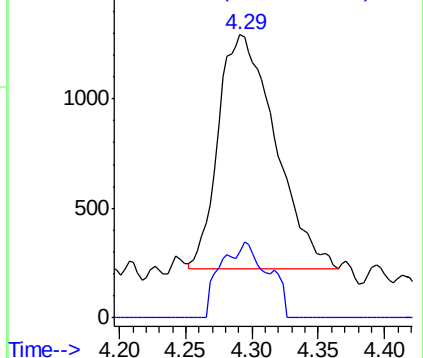


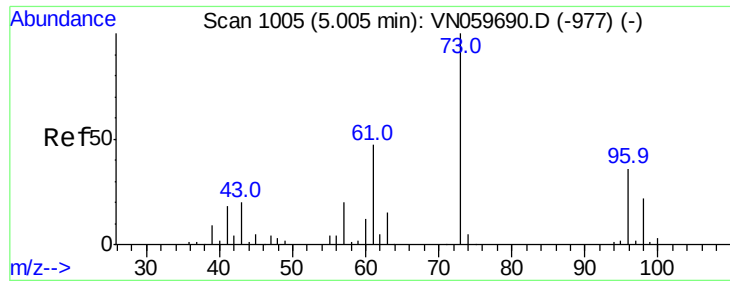
#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 3202
Ion Ratio Lower Upper
43 100
74 16.3 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

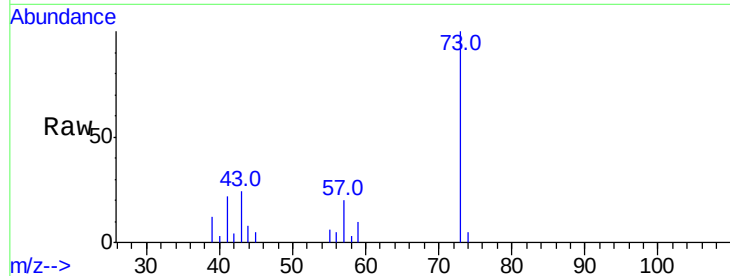




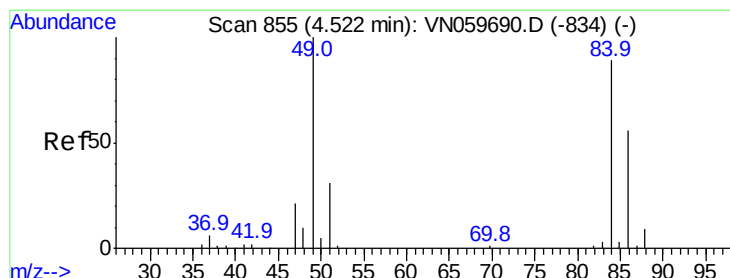
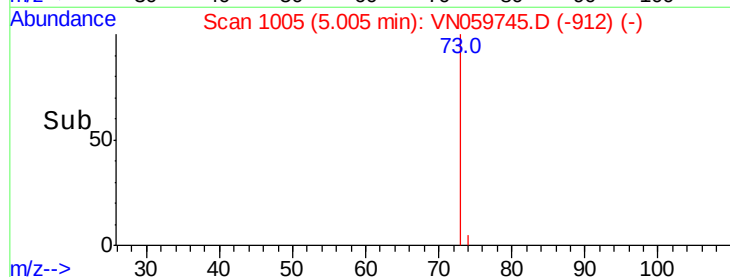
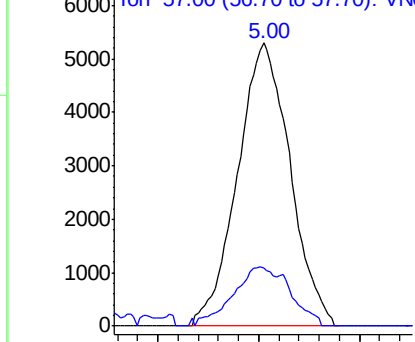
#19
Methyl tert-butyl Ether
Concen: 3.069 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059745.D
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Instrument :
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Tgt Ion: 73 Resp: 19161
Ion Ratio Lower Upper
73 100
57 20.4 18.6 27.8

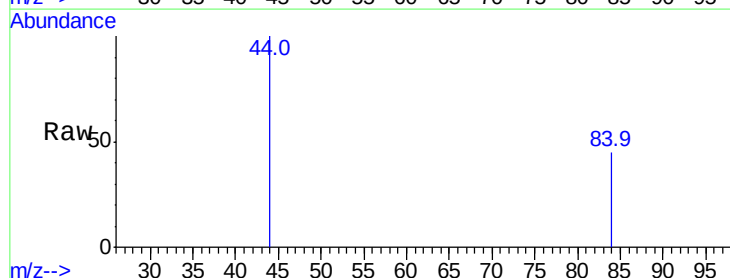


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

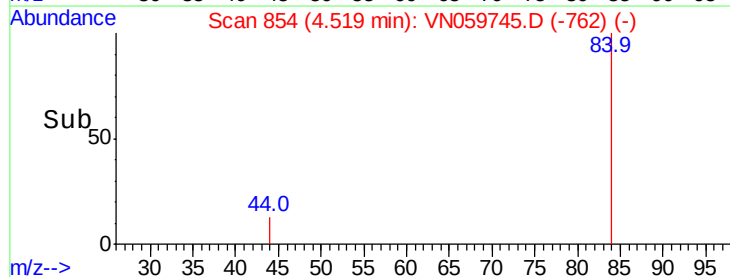
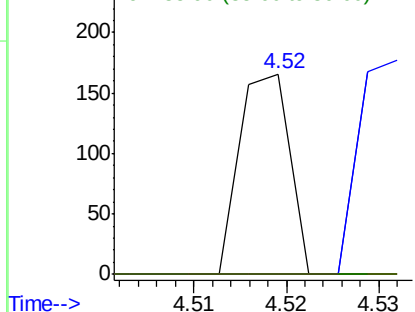


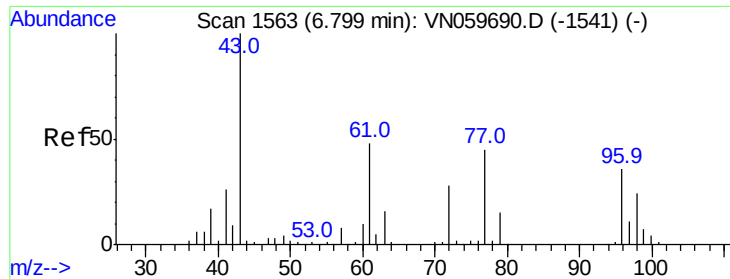
#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 84 Resp: 62
Ion Ratio Lower Upper
84 100
49 0.0 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

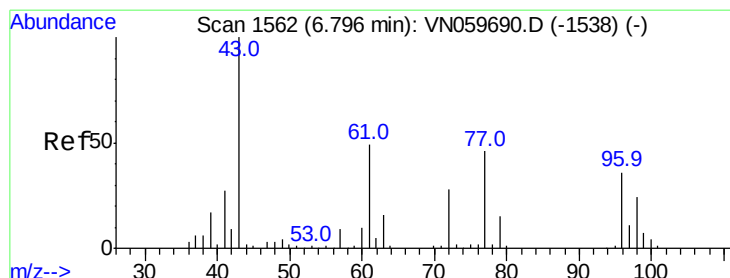
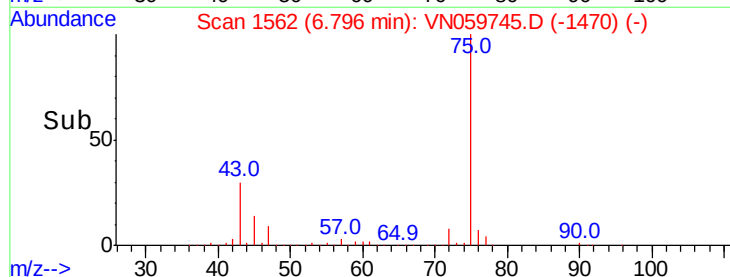
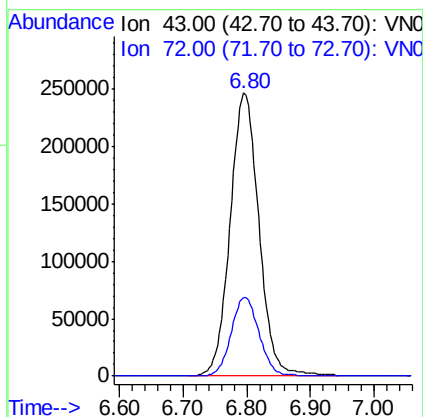
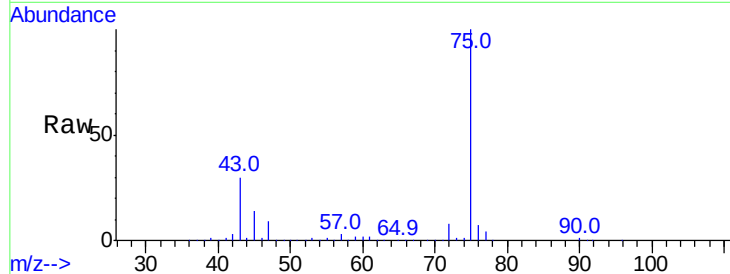




#25
2-Butanone
Concen: 590.216 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

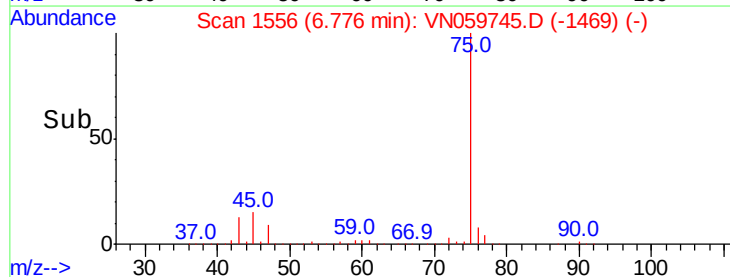
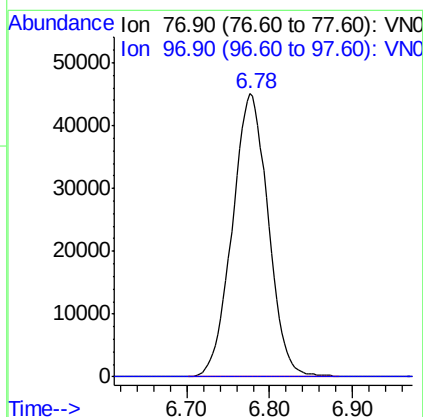
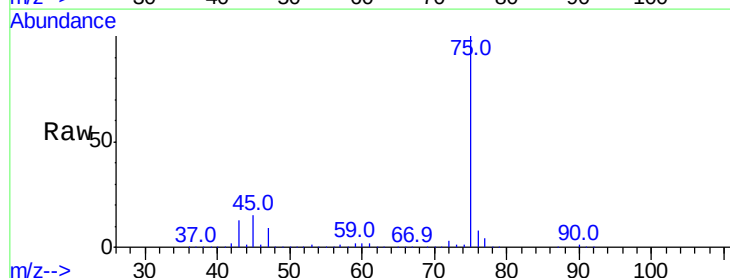
Instrument :
MSVOA_N
ClientSampled :
4001157623

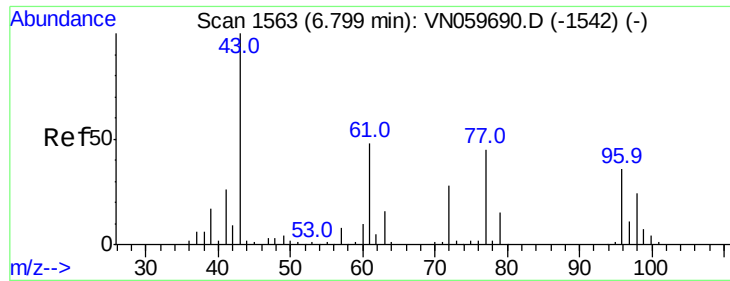
Tgt Ion: 43 Resp: 776922
Ion Ratio Lower Upper
43 100
72 28.0 19.9 29.9



#26
2,2-Dichloropropane
Concen: 39.546 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 77 Resp: 135885
Ion Ratio Lower Upper
77 100
97 0.0 10.7 31.9#

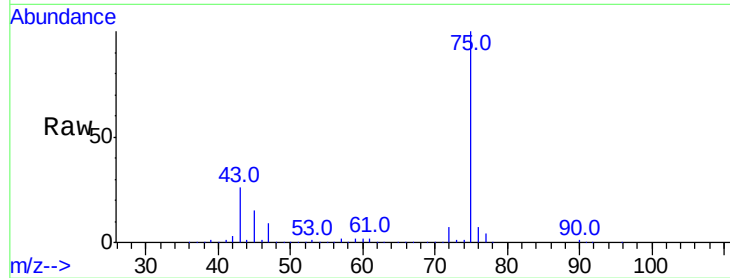




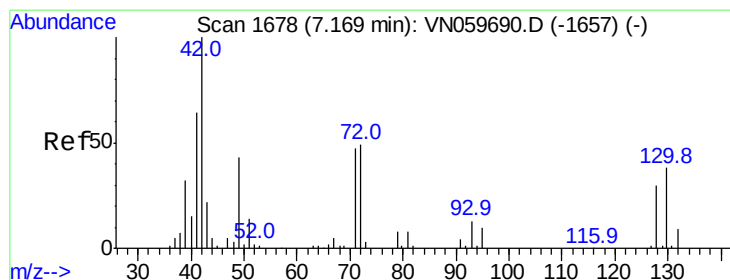
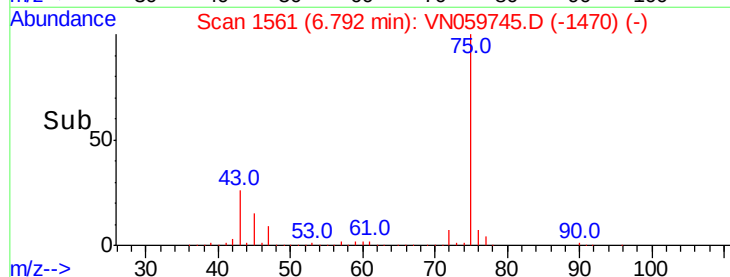
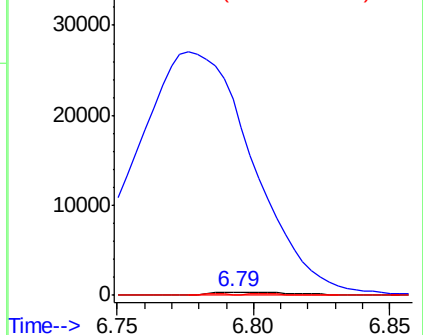
#27
 cis-1,2-Dichloroethene
 Concen: 0.312 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Instrument :
 MSVOA_N
 ClientSampled :
 4001157623

Tgt Ion: 96 Resp: 730
 Ion Ratio Lower Upper
 96 100
 61 11435.5 0.0 317.6#
 98 12.6 0.0 127.0

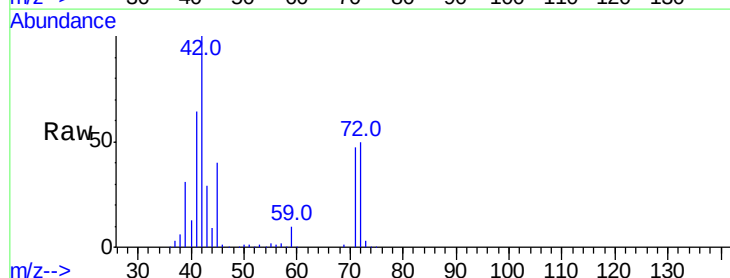


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

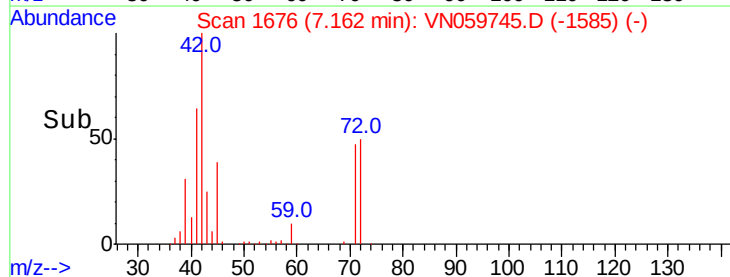
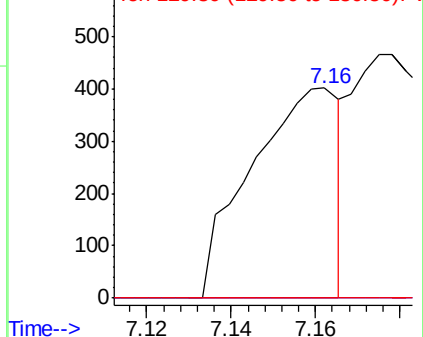


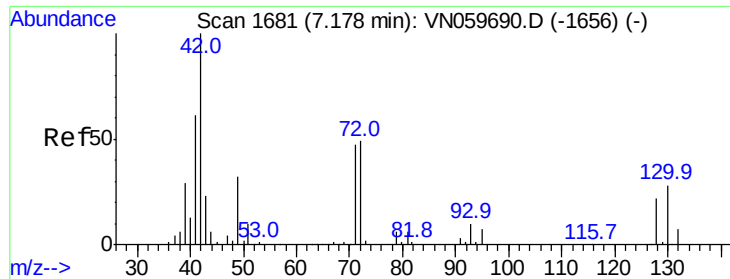
#28
 Bromochloromethane
 Concen: 0.408 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion: 49 Resp: 583
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.4
 130 0.0 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 642.016 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampled :

4001157623

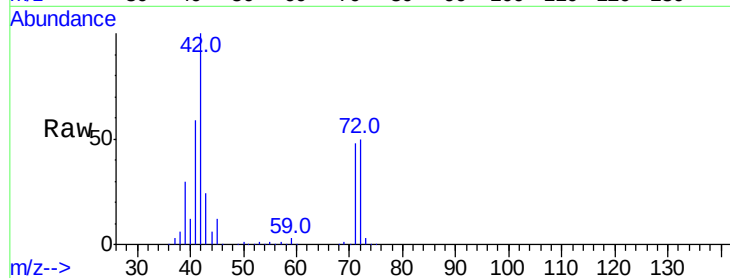
Tgt Ion: 42 Resp: 522885

Ion Ratio Lower Upper

42 100

72 50.5 33.1 49.7#

71 47.4 31.4 47.0#

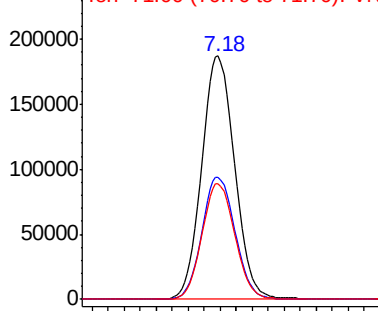


Abundance

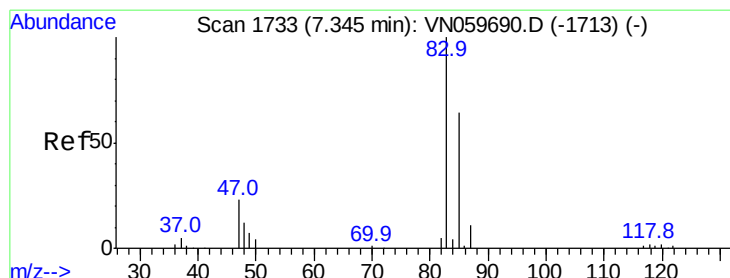
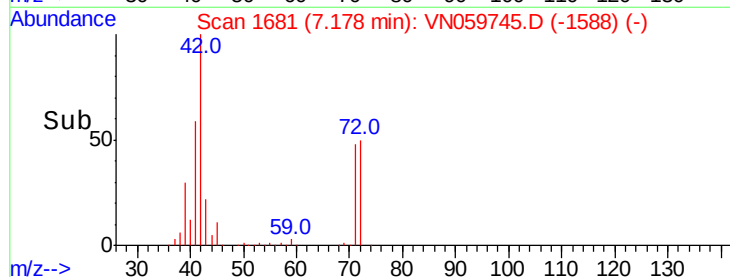
Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#30

Chloroform

Concen: 0.480 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059745.D

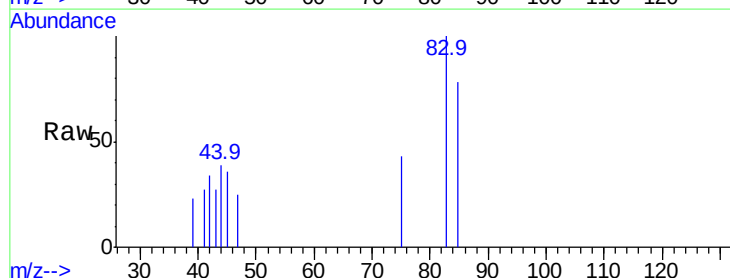
Acq: 16 Jan 2020 20:22

Tgt Ion: 83 Resp: 1779

Ion Ratio Lower Upper

83 100

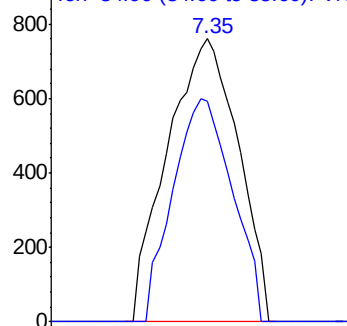
85 77.8 52.4 78.6



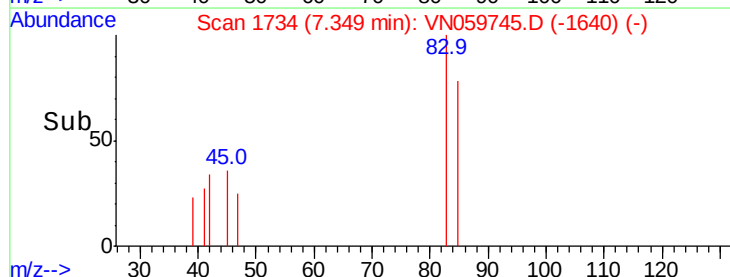
Abundance

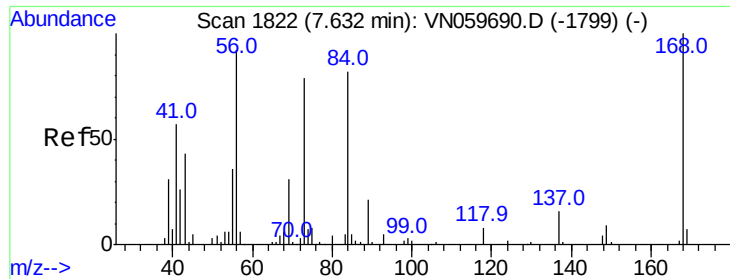
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->

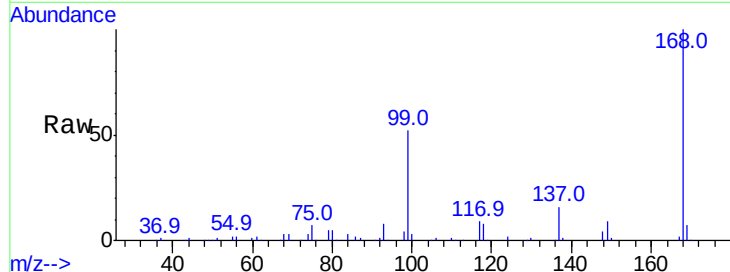




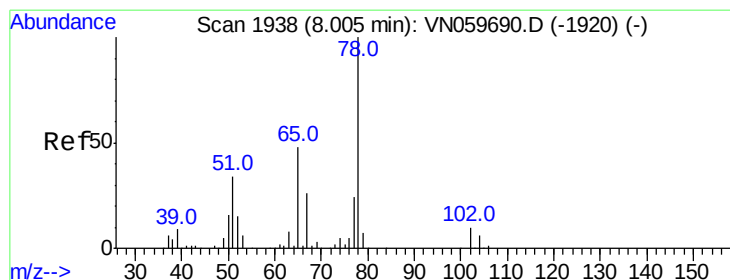
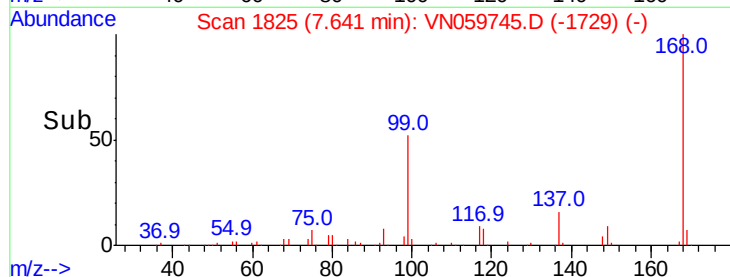
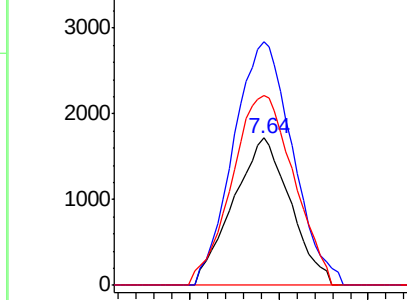
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampled :
4001157623

Tgt Ion: 56 Resp: 3856
Ion Ratio Lower Upper
56 100
69 165.6 26.5 39.7#
84 129.4 65.3 97.9#

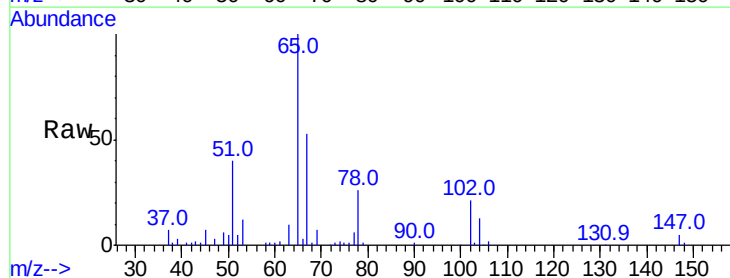


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

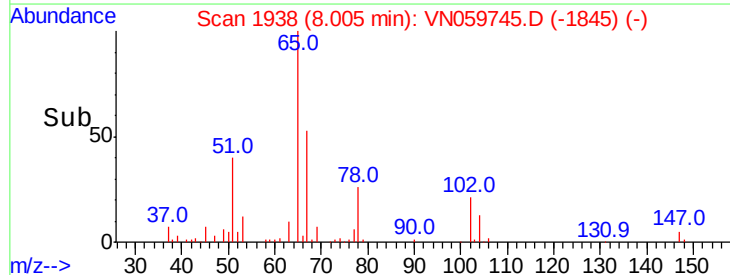
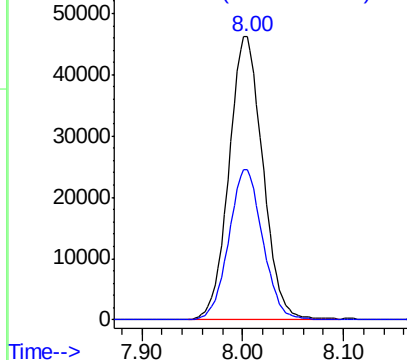


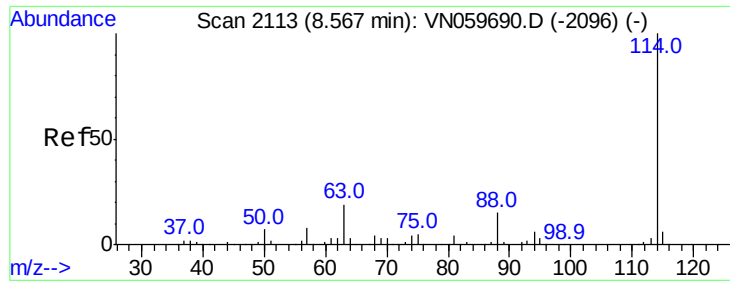
#33
1,2-Dichloroethane-d4
Concen: 46.387 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 65 Resp: 107826
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

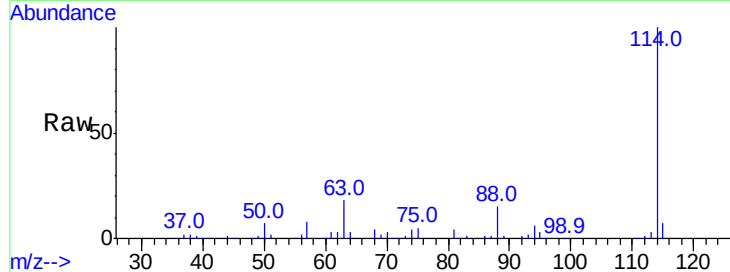




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 4001157623

Tgt Ion:	114	Resp:	309669
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	43.6
88	15.2	0.0	31.4

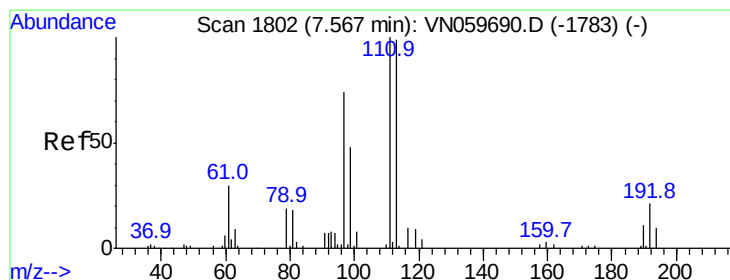
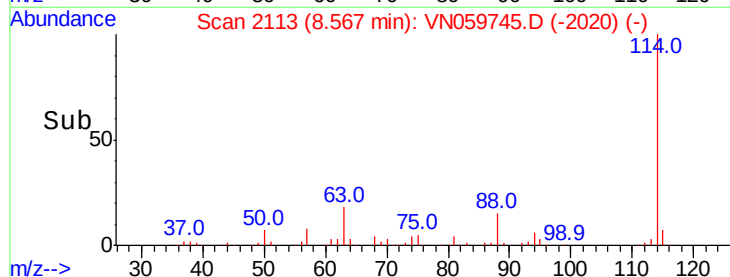
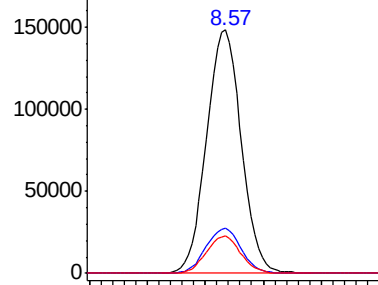


Abundance

Ion 113.90 (113.60 to 114.60): V

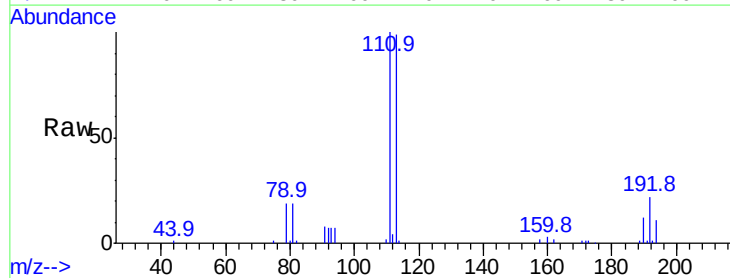
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 51.505 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion:	113	Resp:	95113
Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.5	125.3
192	21.3	15.4	23.2

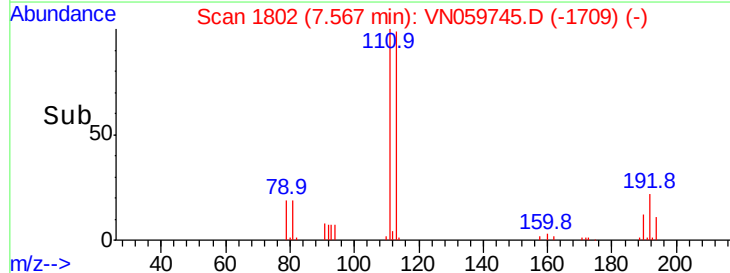
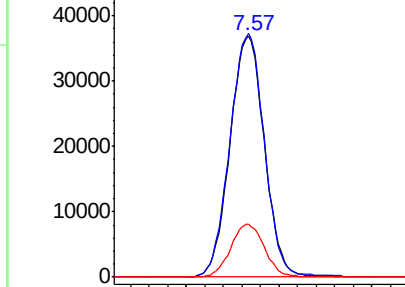


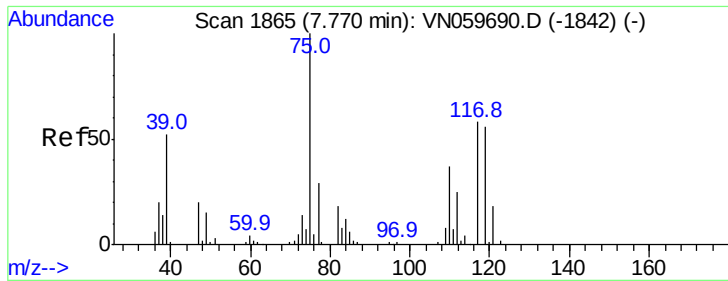
Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

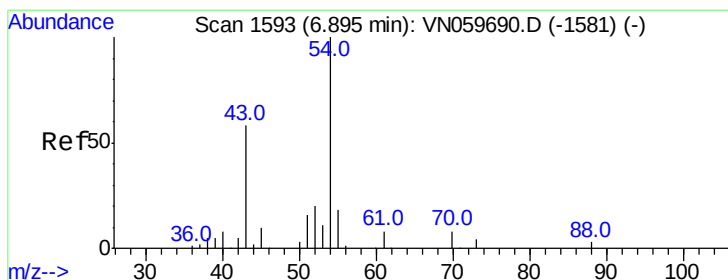
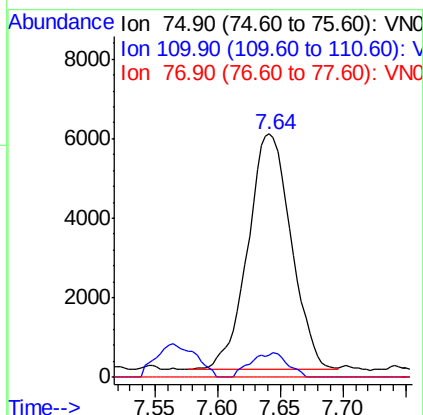
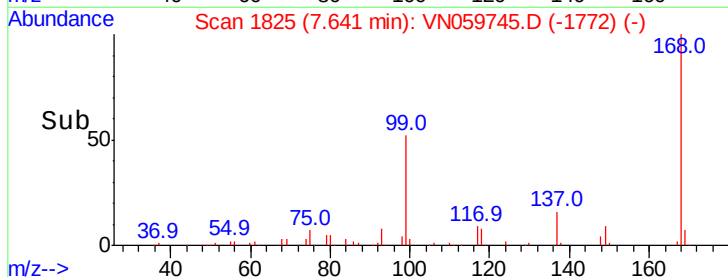
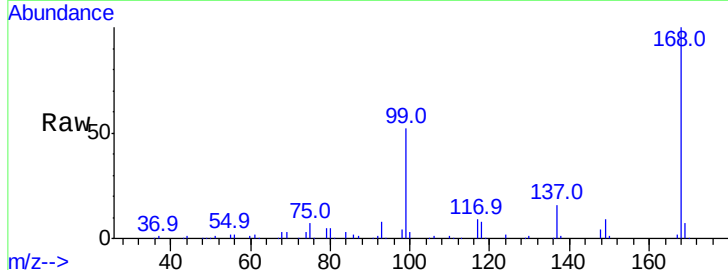




#36
 1,1-Dichloropropene
 Concen: 5.283 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

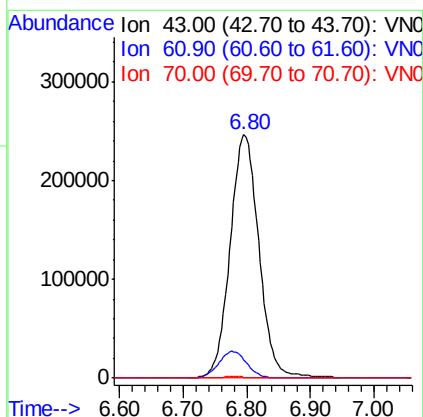
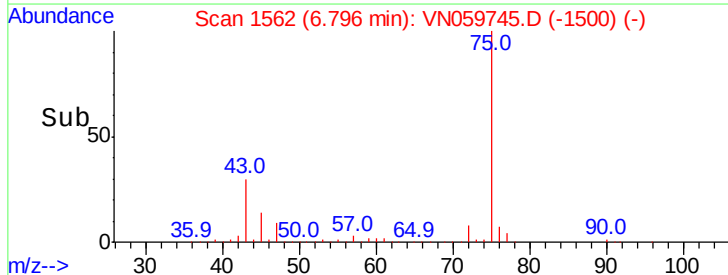
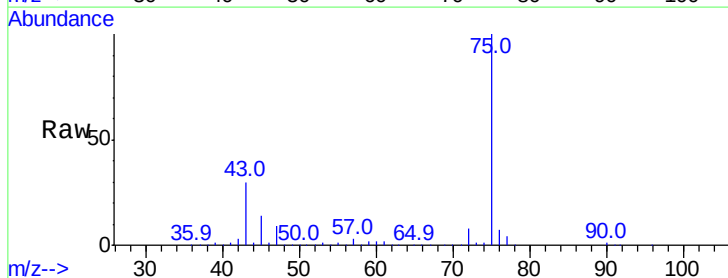
Instrument :
 MSVOA_N
 ClientSampled :
 4001157623

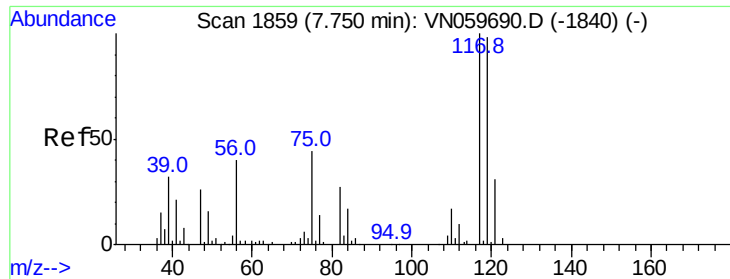
Tgt Ion: 75 Resp: 14248
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 307.171 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 776922
 Ion Ratio Lower Upper
 43 100
 61 10.7 10.9 16.3#
 70 0.6 7.7 11.5#

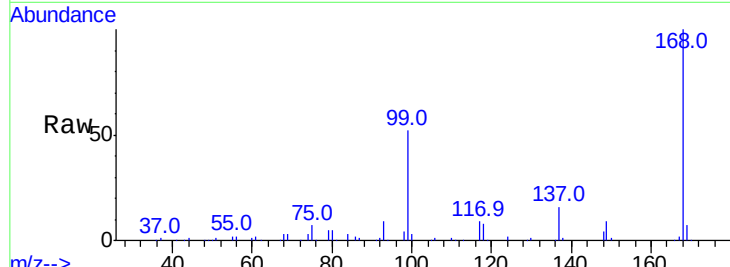




#38
Carbon Tetrachloride
Concen: 6.499 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampled :
4001157623

Tgt Ion:117 Resp: 19066
Ion Ratio Lower Upper
117 100
119 4.8 76.5 114.7#
121 0.0 25.1 37.7#

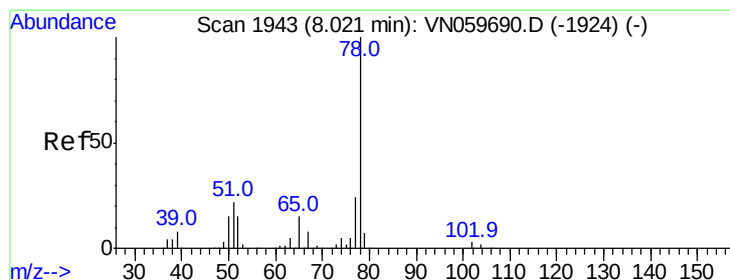
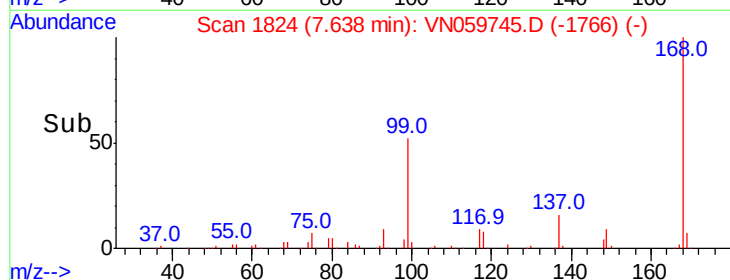
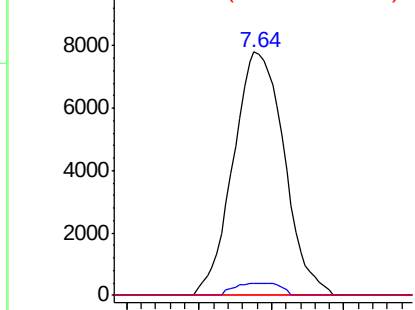


Abundance

Ion 116.80 (116.50 to 117.50): V

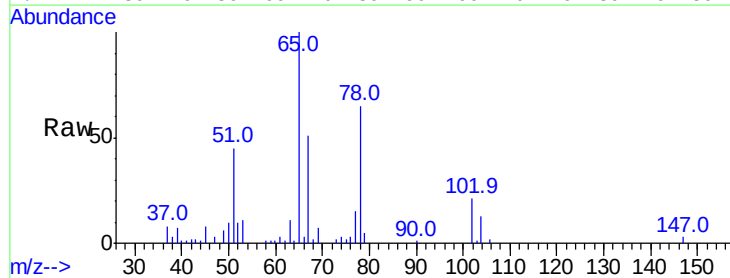
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40
Benzene
Concen: 5.640 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

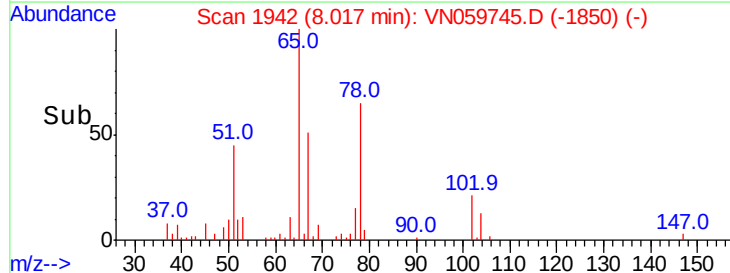
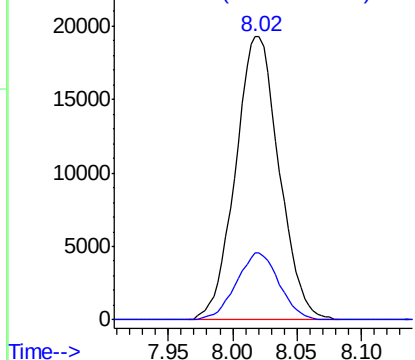
Tgt Ion: 78 Resp: 45364
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

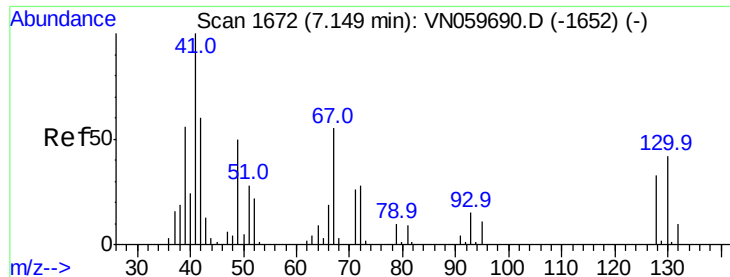


Abundance

Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V

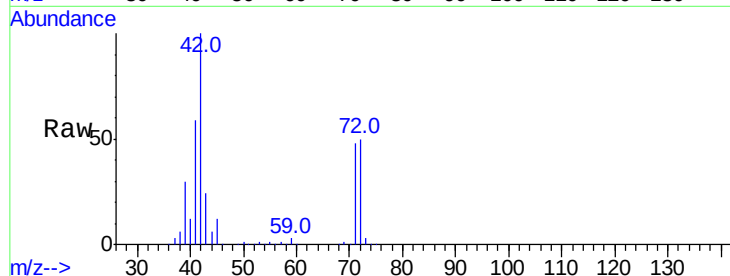




#41
Methacrylonitrile
Concen: 263.617 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampled :
4001157623

Tgt Ion:	41	Resp:	328418
Ion	Ratio	Lower	Upper
41	100		
39	49.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.1	0.0	0.0#



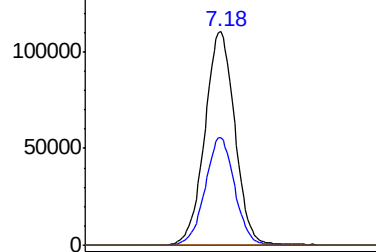
Abundance

Ion 41.00 (40.70 to 41.70): VNC

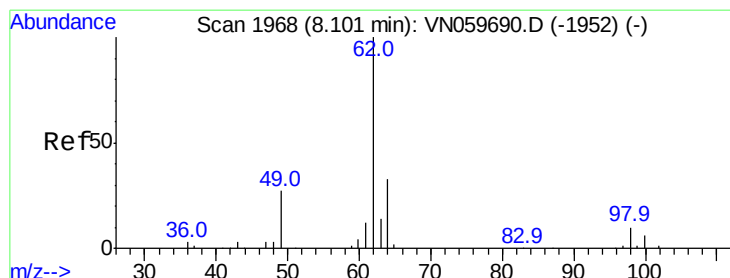
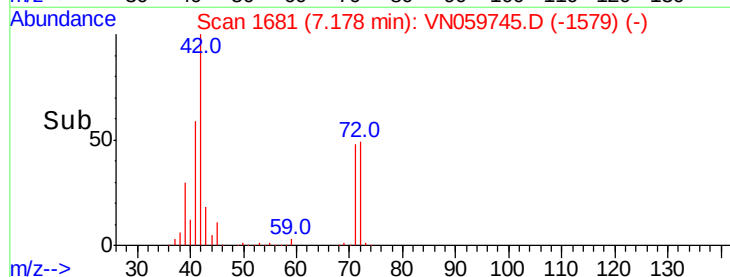
Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

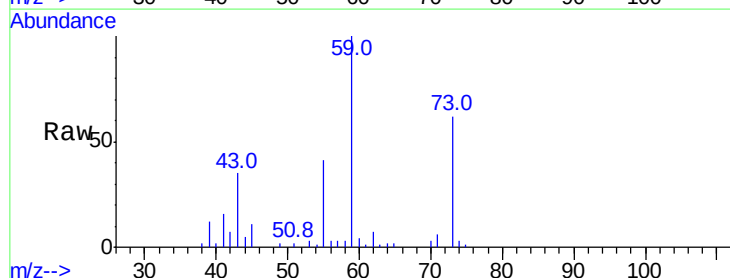


Time-->



#42
1,2-Dichloroethane
Concen: 0.784 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

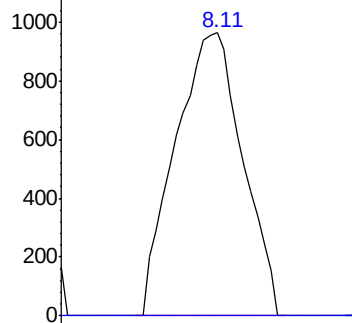
Tgt Ion:	62	Resp:	2139
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.8



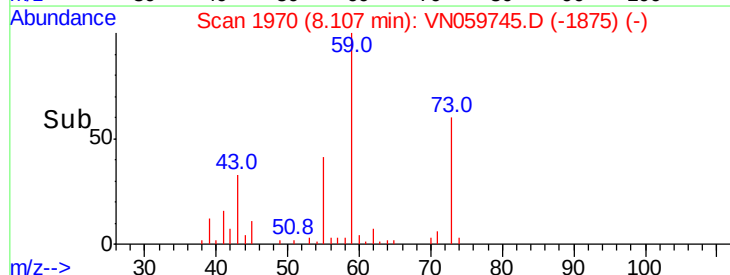
Abundance

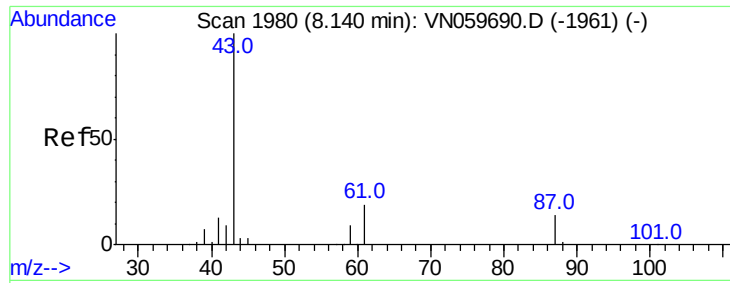
Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



Time-->





#43

Isopropyl Acetate

Concen: 2.958 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. -0.04 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

4001157623

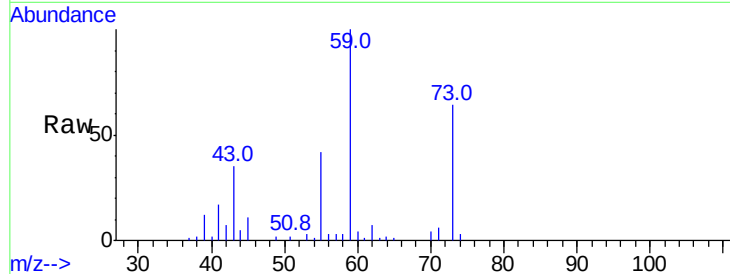
Tgt Ion: 43 Resp: 12869

Ion Ratio Lower Upper

43 100

61 1.4 20.2 30.2#

87 0.5 9.5 14.3#

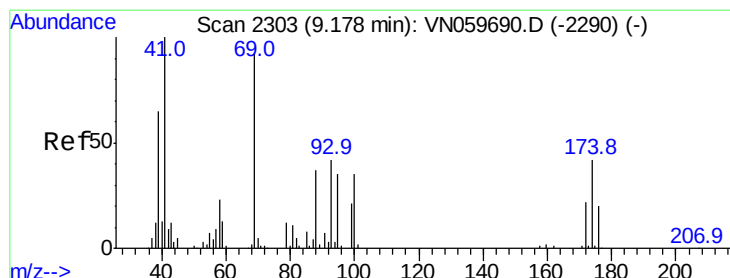
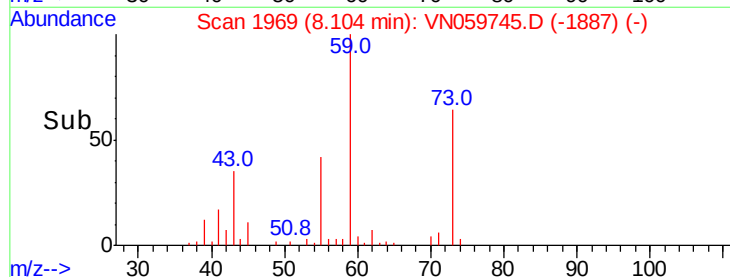
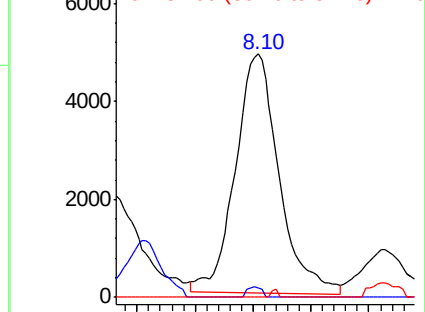


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 124.862 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

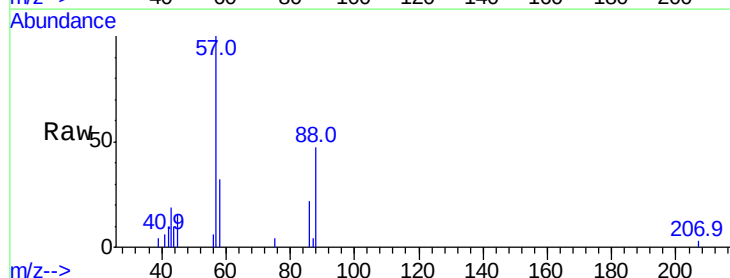
Tgt Ion: 88 Resp: 4448

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

58 70.7 56.6 85.0

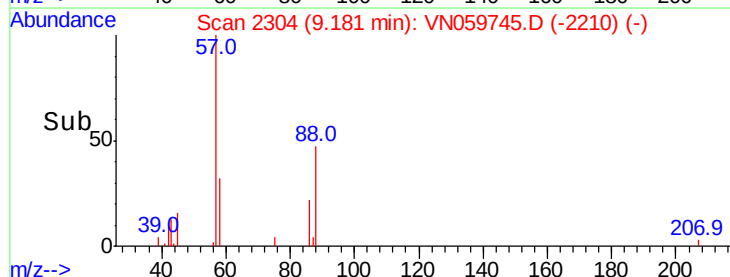
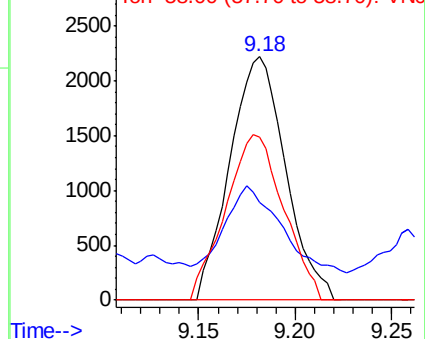


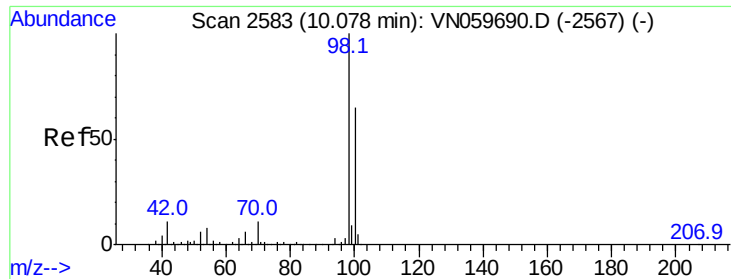
Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.355 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

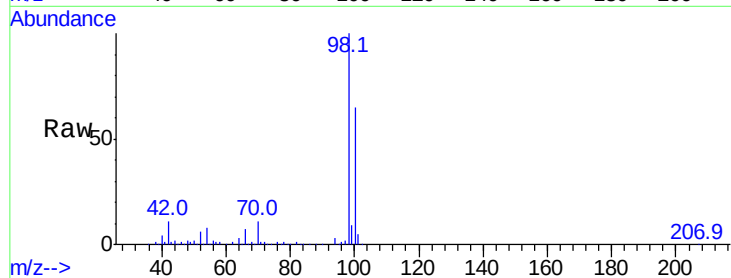
4001157623

Tgt Ion: 98 Resp: 353137

Ion Ratio Lower Upper

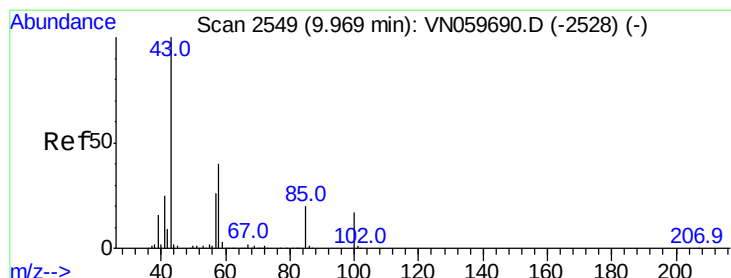
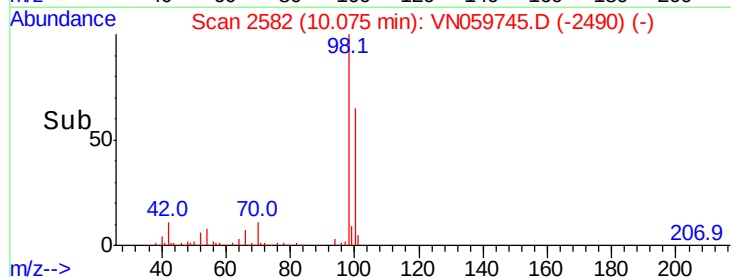
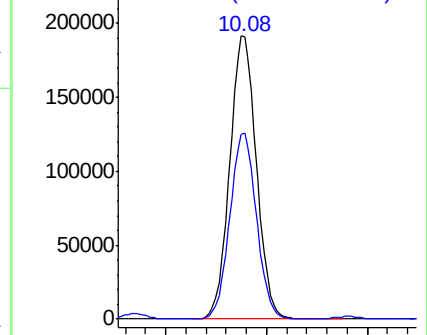
98 100

100 65.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 18.372 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059745.D

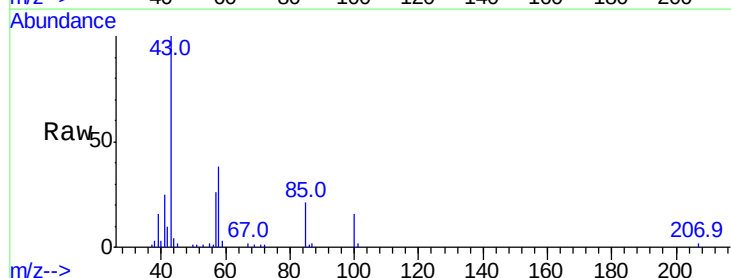
Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 46202

Ion Ratio Lower Upper

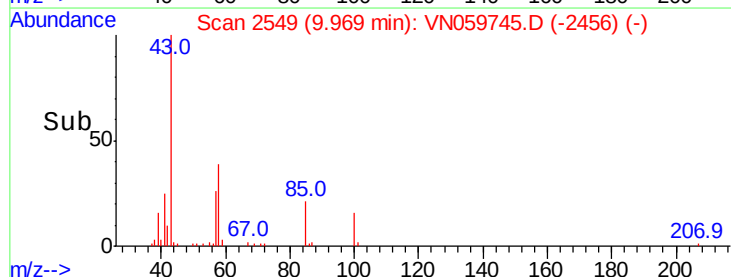
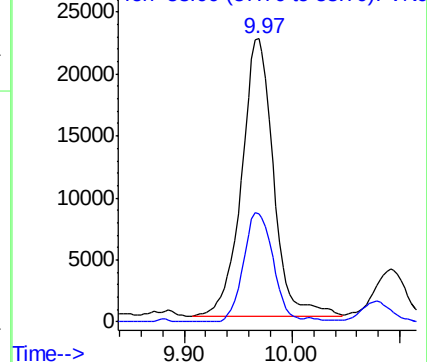
43 100

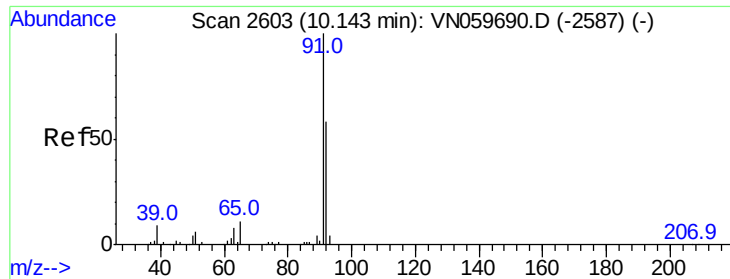
58 36.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 4.285 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

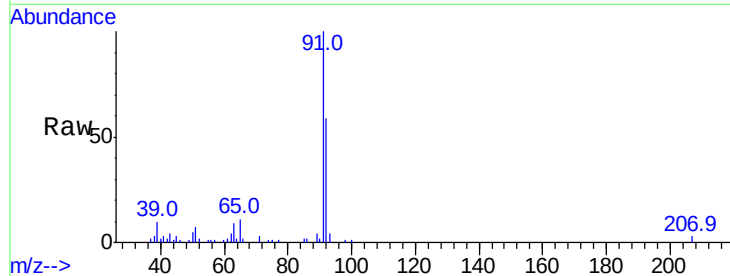
4001157623

Tgt Ion: 92 Resp: 21770

Ion Ratio Lower Upper

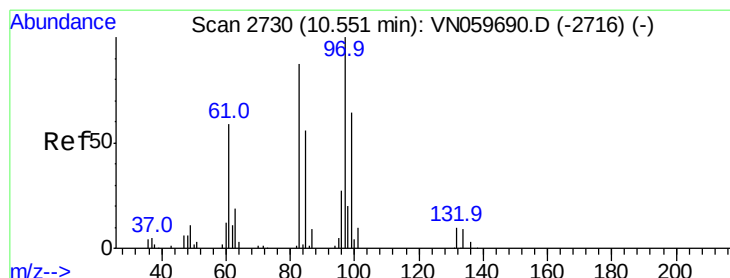
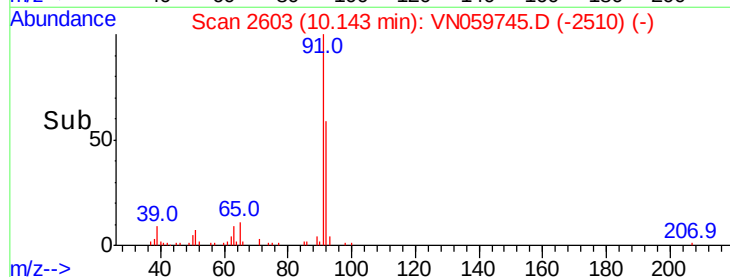
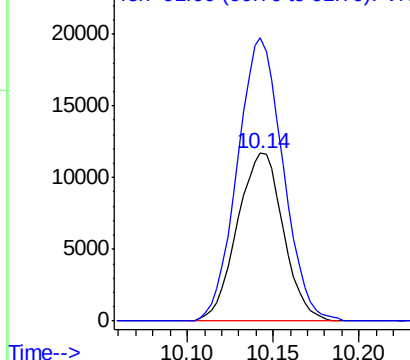
92 100

91 167.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.621 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. -0.10 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Tgt Ion: 97 Resp: 1250

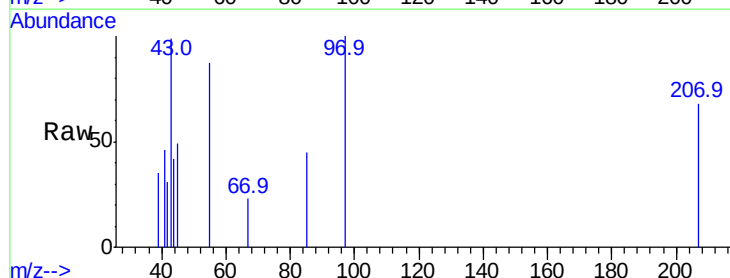
Ion Ratio Lower Upper

97 100

83 0.0 71.3 106.9#

85 44.9 45.8 68.8#

99 0.0 50.0 75.0#

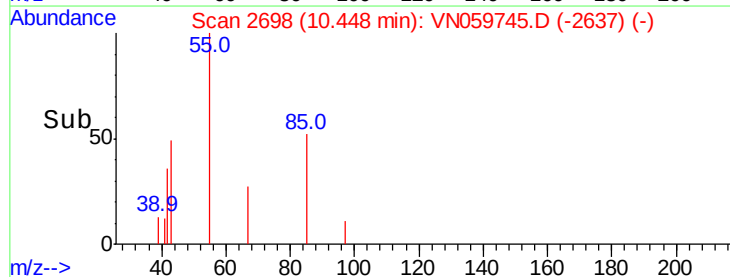
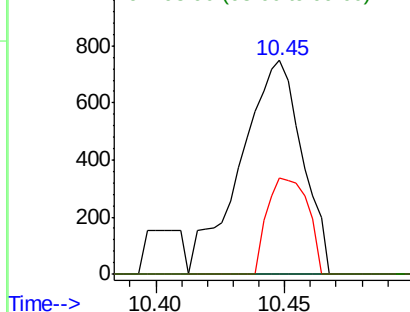


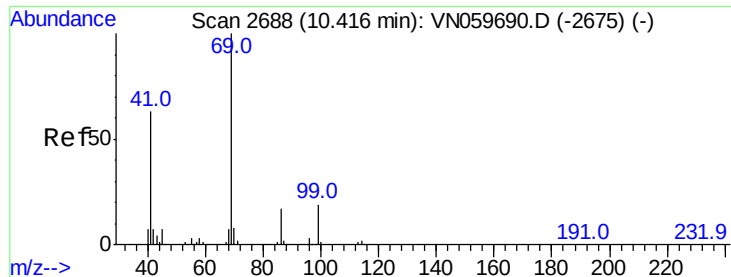
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.558 ug/l

RT: 10.34 min Scan# 2665

Delta R.T. -0.07 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

4001157623

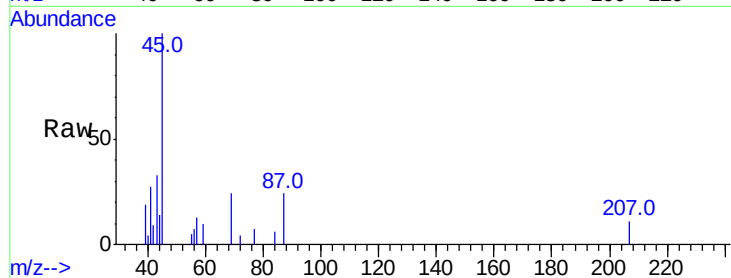
Tgt Ion: 69 Resp: 1716

Ion Ratio Lower Upper

69 100

41 102.4 57.1 85.7#

39 80.7 34.7 52.1#

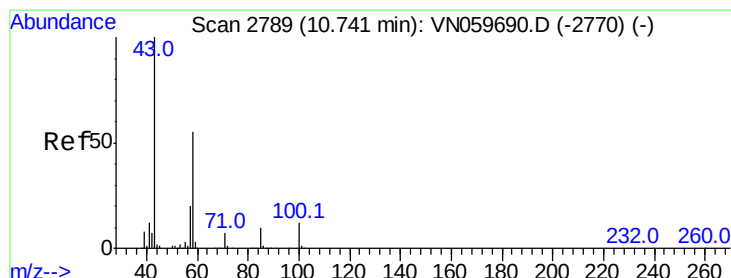
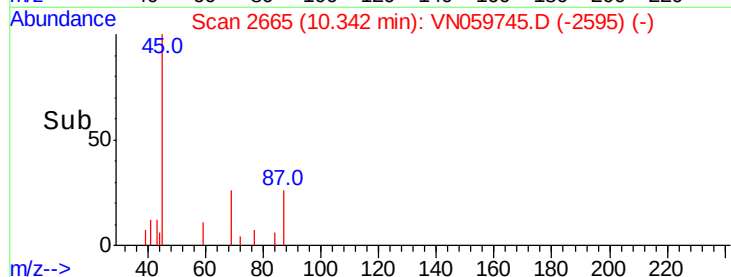
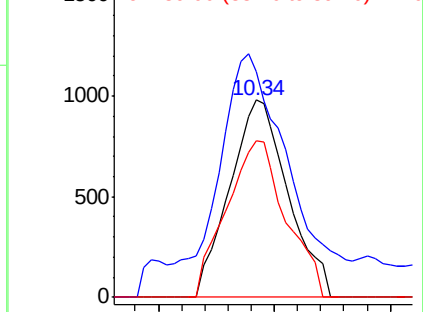


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 5.969 ug/l

RT: 10.60 min Scan# 2744

Delta R.T. -0.14 min

Lab File: VN059745.D

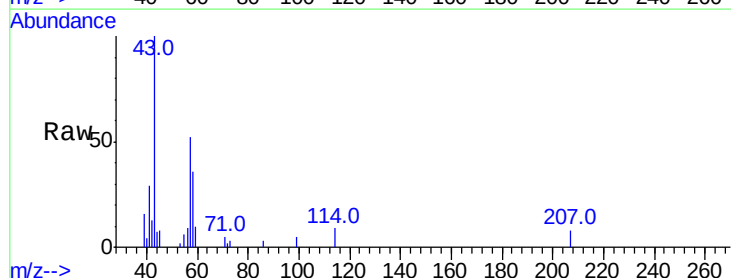
Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 11058

Ion Ratio Lower Upper

43 100

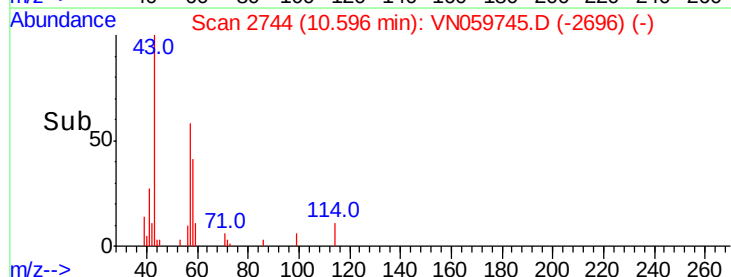
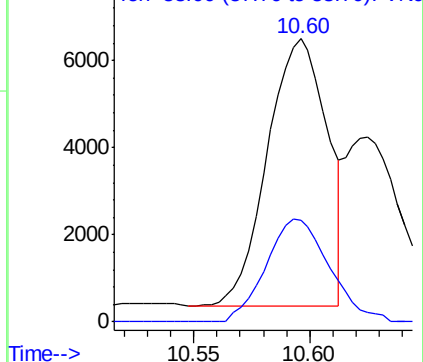
58 40.6 25.8 77.3

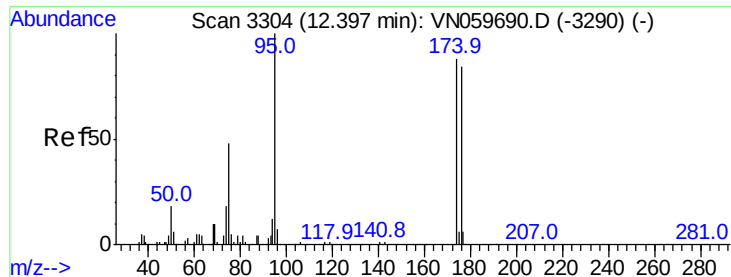


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

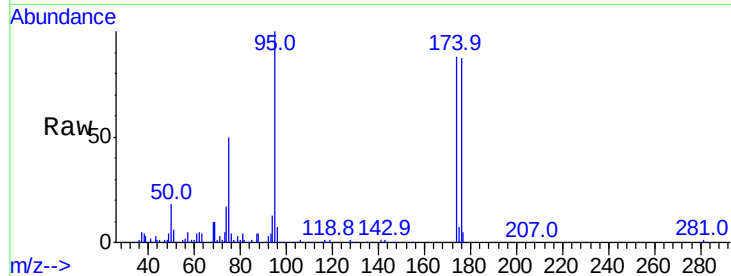




#62
4-Bromofluorobenzene
Concen: 47.864 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
4001157623

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	151.4
176	85.8	0.0	146.0

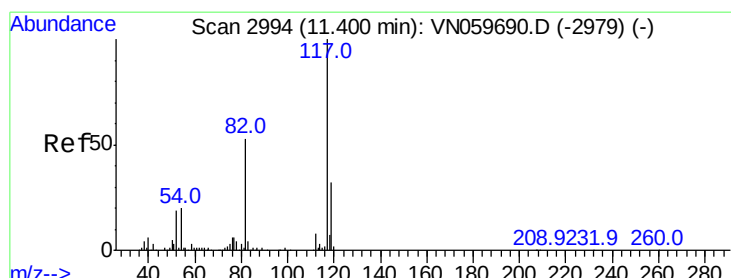
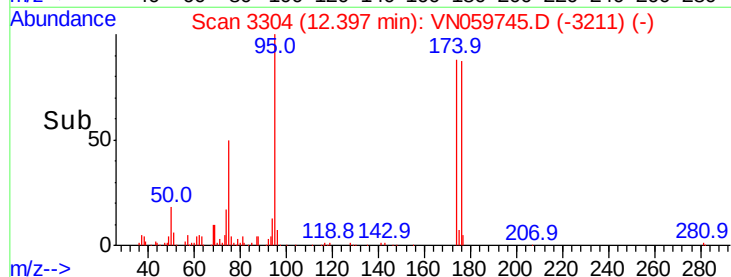
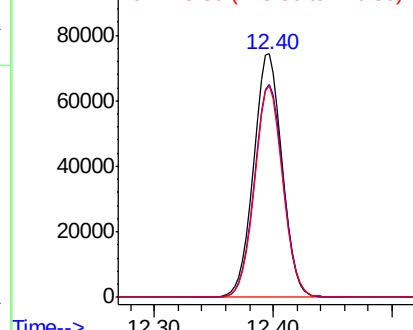


Abundance

Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)

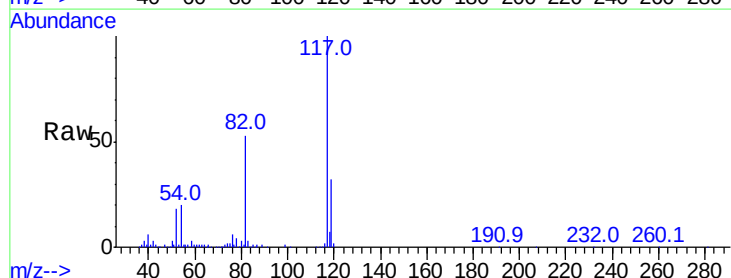
Ion 173.80 (173.50 to 174.50): VN059690.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059690.D (-3290) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.9	68.9
119	32.4	25.5	38.3

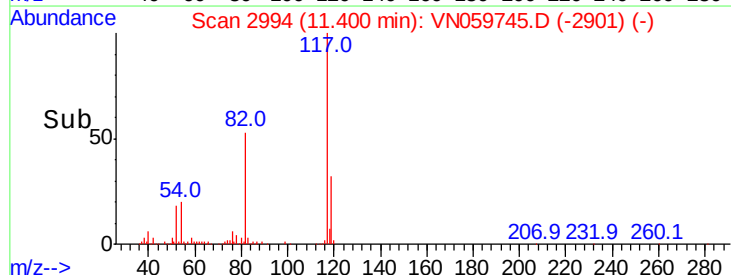
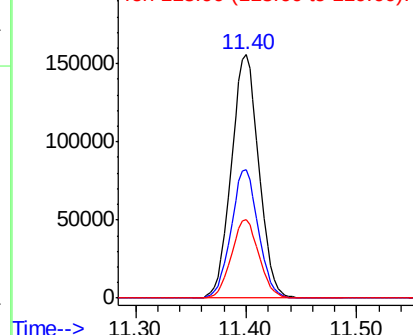


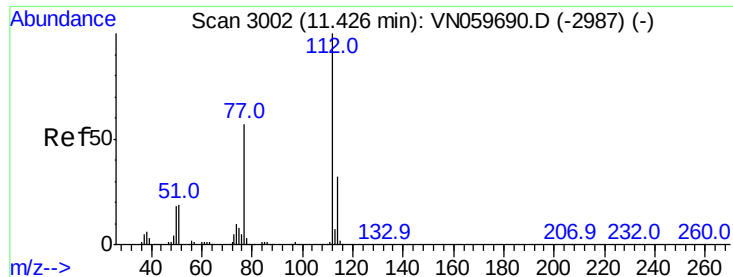
Abundance

Ion 116.90 (116.60 to 117.60): VN059690.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059690.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059690.D (-2979) (-)

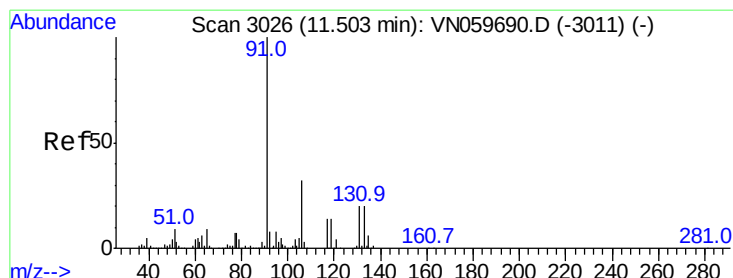
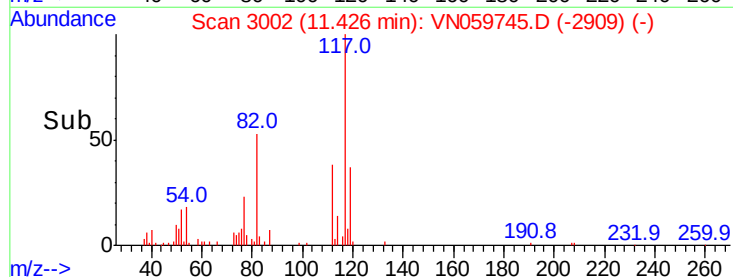
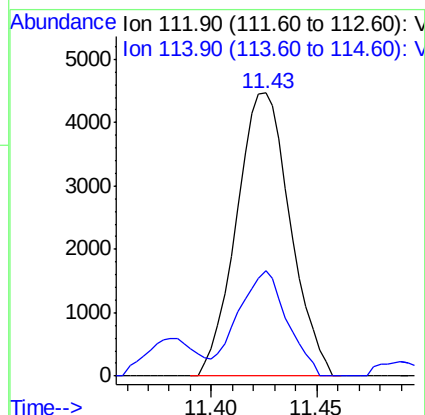
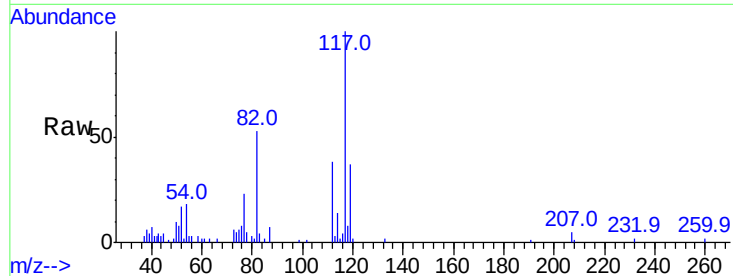




#65
Chlorobenzene
Concen: 1.498 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

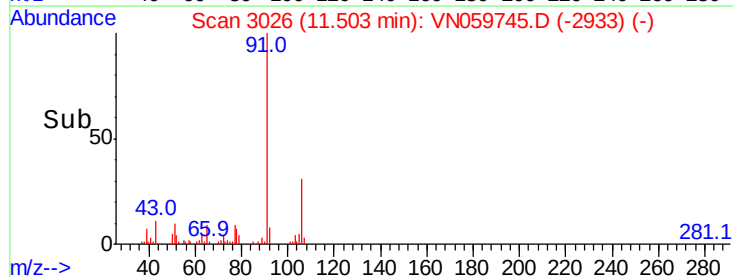
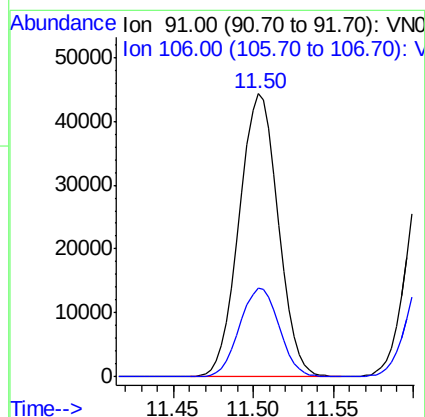
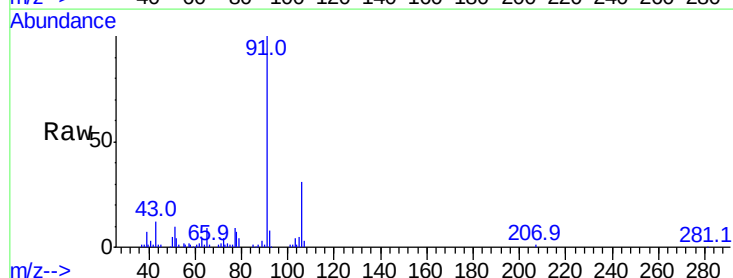
Instrument :
MSVOA_N
ClientSampleId :
4001157623

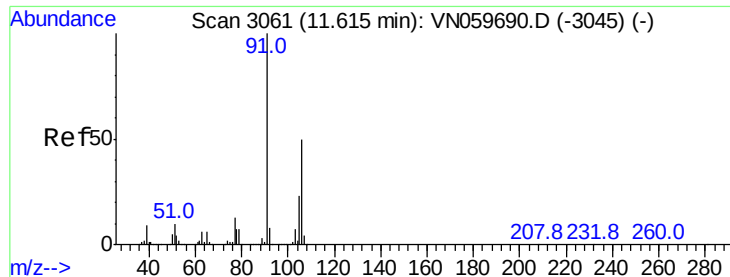
Tgt Ion: 112 Resp: 7918
Ion Ratio Lower Upper
112 100
114 37.1 25.8 38.8



#67
Ethyl Benzene
Concen: 7.691 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 91 Resp: 73774
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1

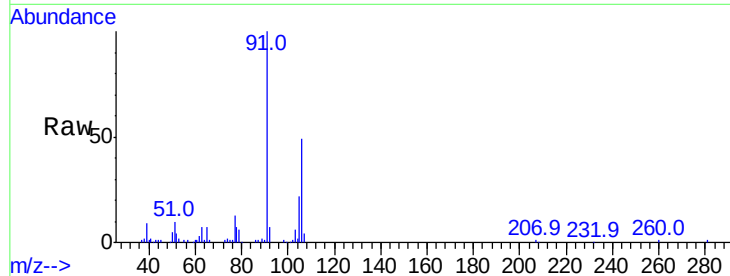




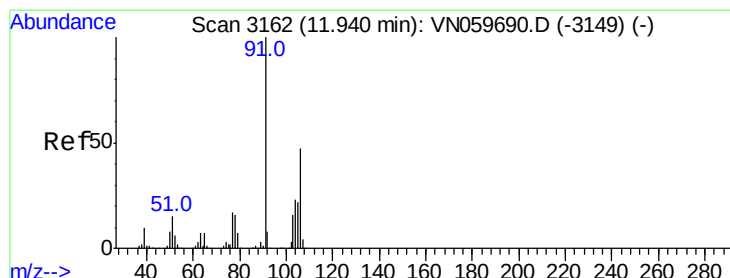
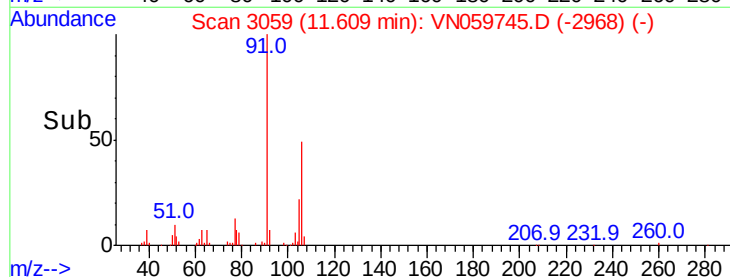
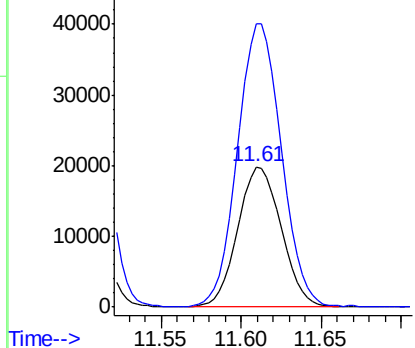
#68
m/p-Xylenes
Concen: 10.183 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
4001157623

Tgt Ion:106 Resp: 36899
Ion Ratio Lower Upper
106 100
91 203.8 167.9 251.9

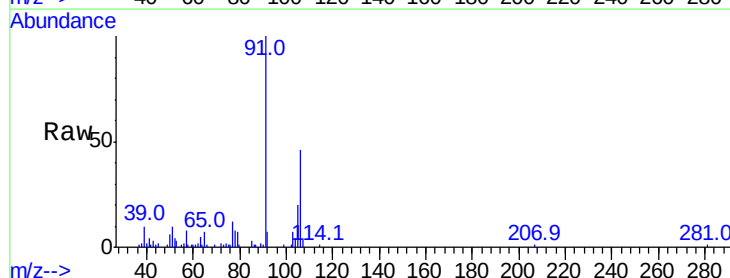


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

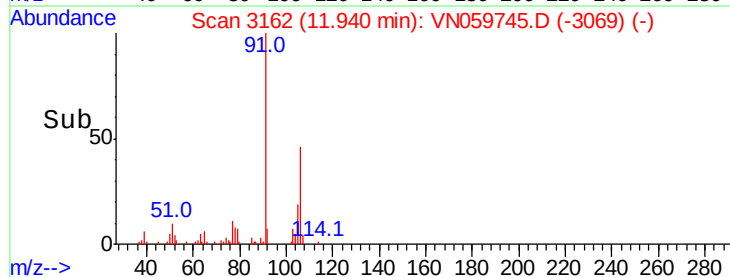
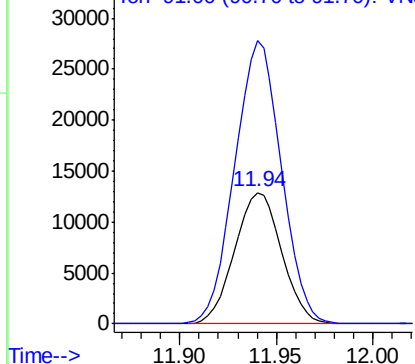


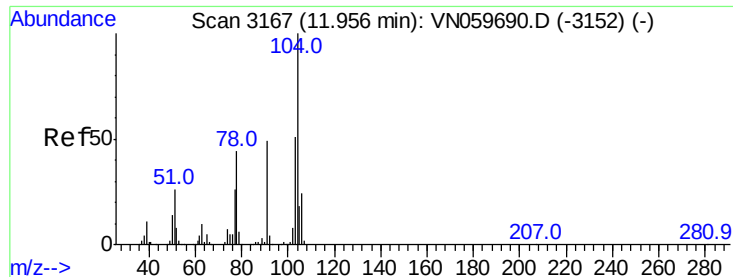
#69
o-Xylene
Concen: 6.159 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion:106 Resp: 21847
Ion Ratio Lower Upper
106 100
91 213.2 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#70

Styrene

Concen: 0.654 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

4001157623

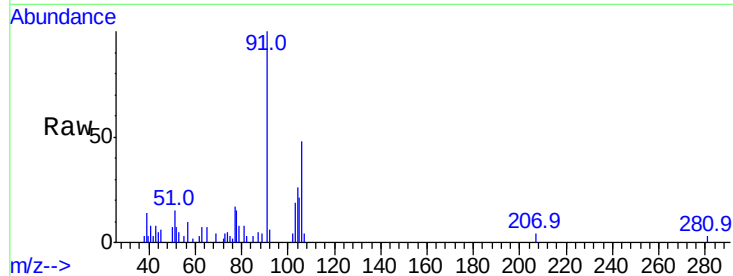
Tgt Ion:104 Resp: 3884

Ion Ratio Lower Upper

104 100

78 104.4 42.4 63.6#

103 108.8 43.9 65.9#

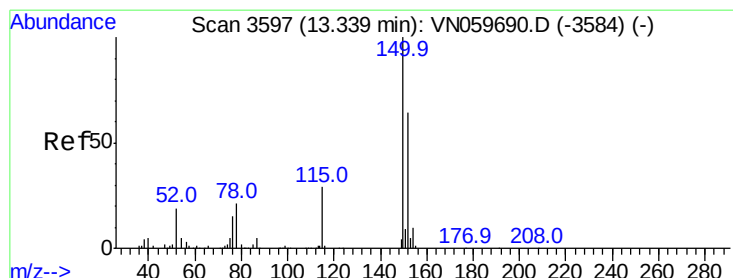
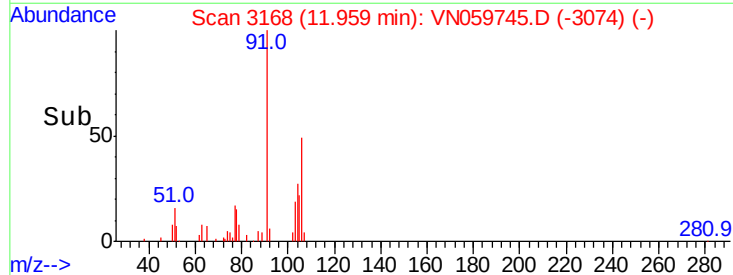
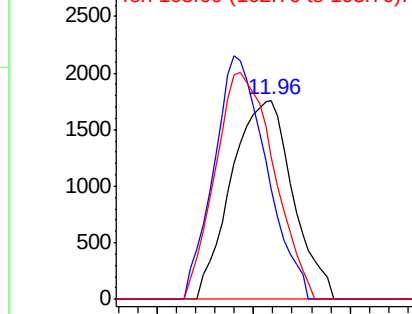


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

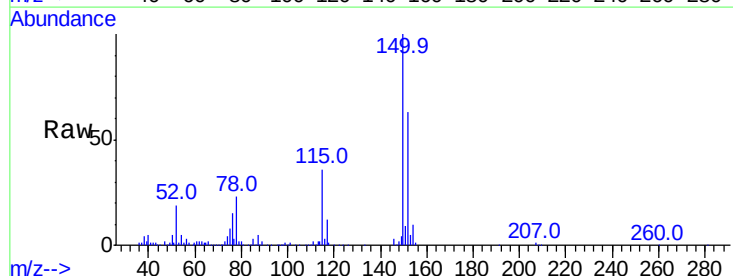
Tgt Ion:152 Resp: 119927

Ion Ratio Lower Upper

152 100

115 57.2 30.3 90.9

150 160.0 0.0 345.2

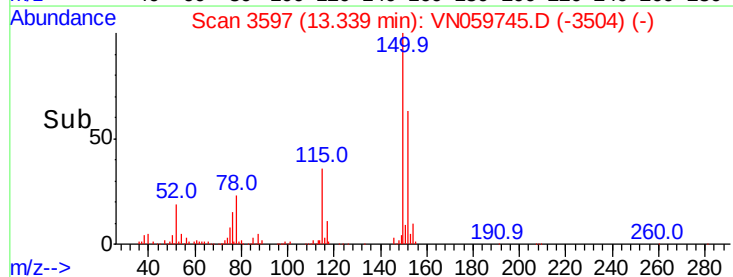
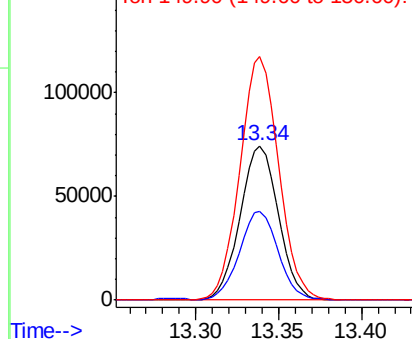


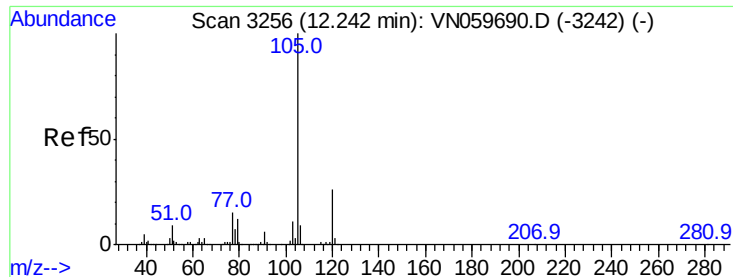
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.439 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampleId :

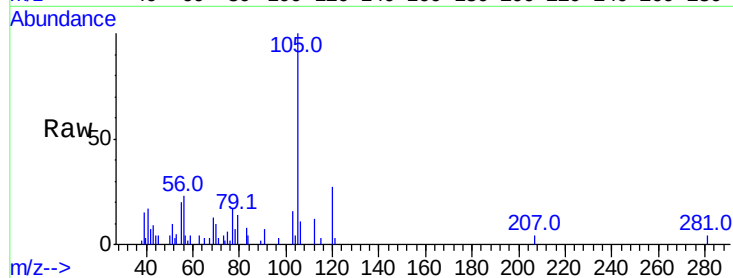
4001157623

Tgt Ion: 105 Resp: 12659

Ion Ratio Lower Upper

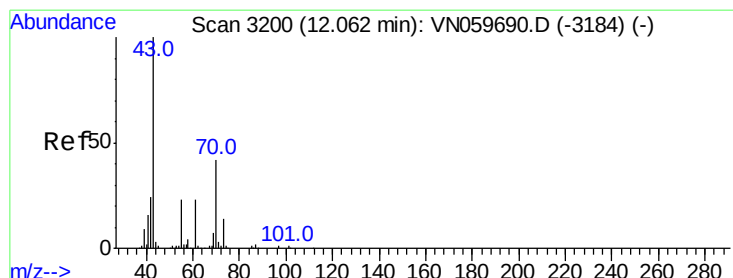
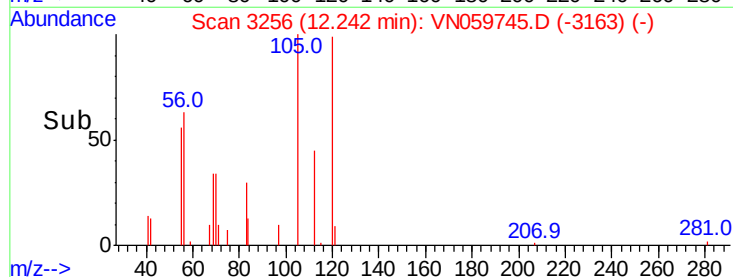
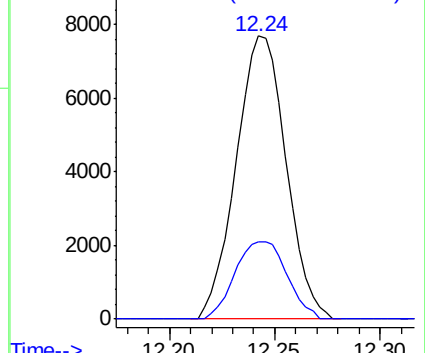
105 100

120 28.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.495 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Tgt Ion: 43 Resp: 15341

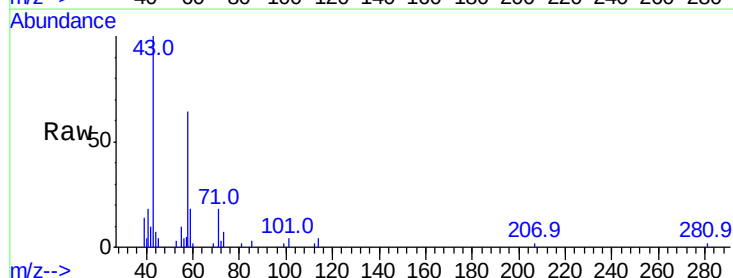
Ion Ratio Lower Upper

43 100

70 3.4 31.3 46.9#

55 15.4 19.8 29.6#

61 0.0 18.3 27.5#

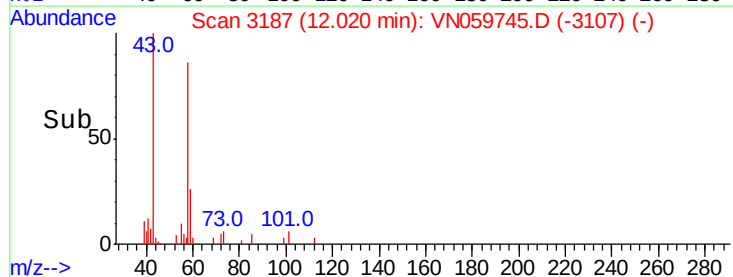
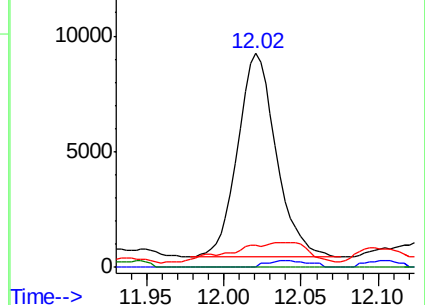


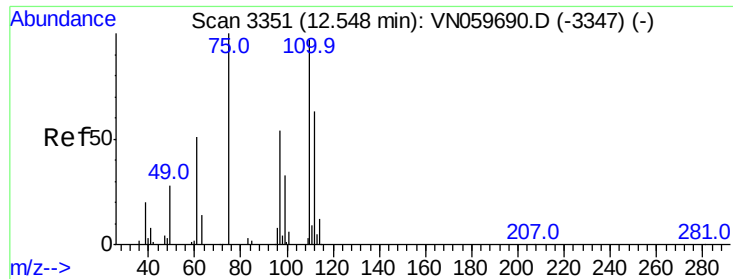
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

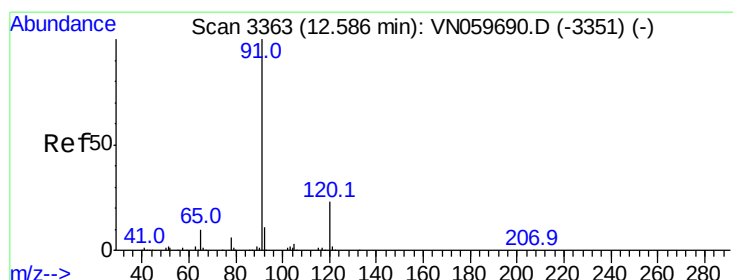
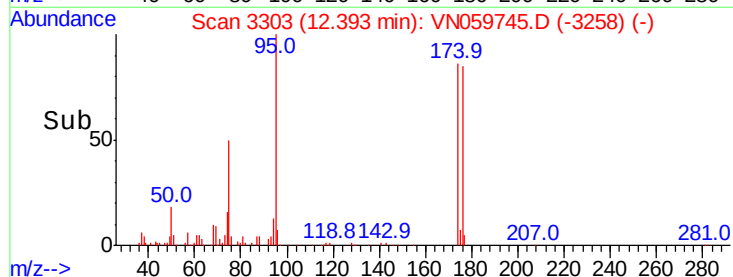
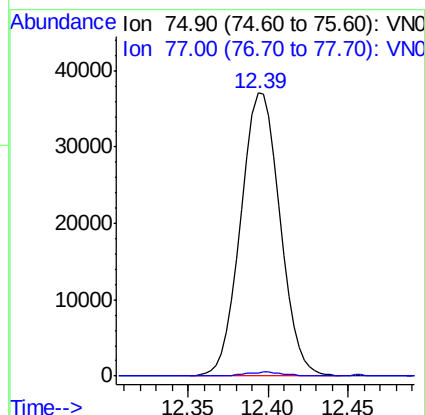
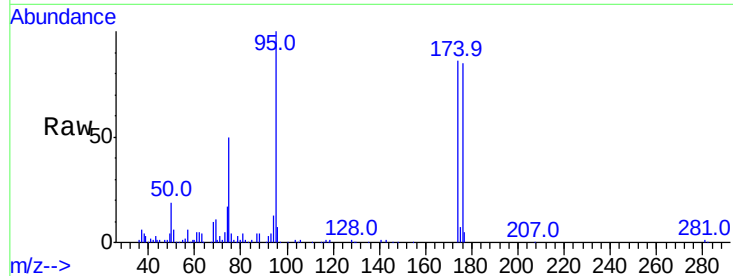




#76
1,2,3-Trichloropropane
Concen: 30.780 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

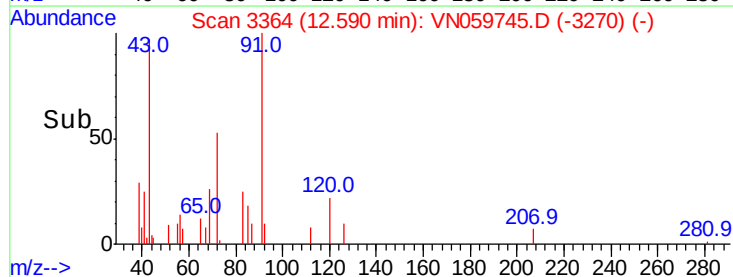
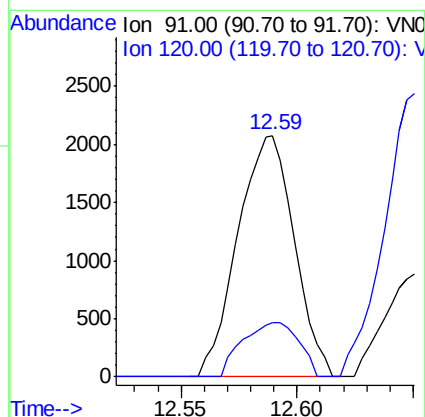
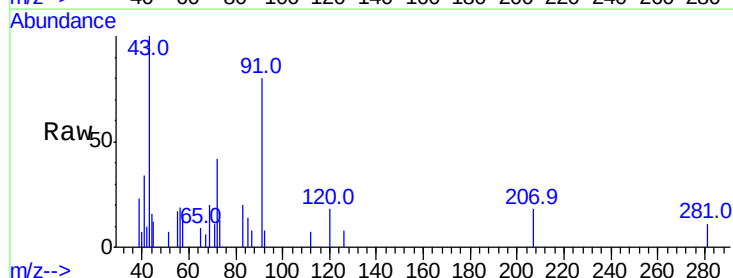
Instrument :
MSVOA_N
ClientSampleId :
4001157623

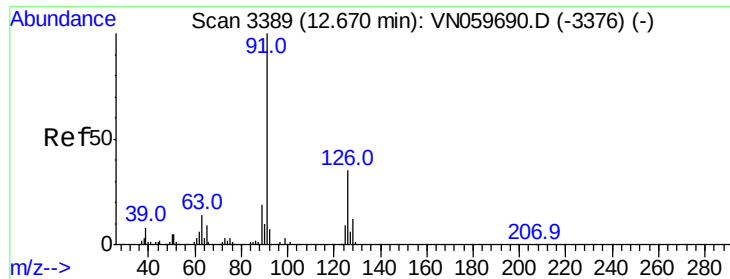
Tgt Ion: 75 Resp: 62121
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 0.356 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 91 Resp: 3510
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3

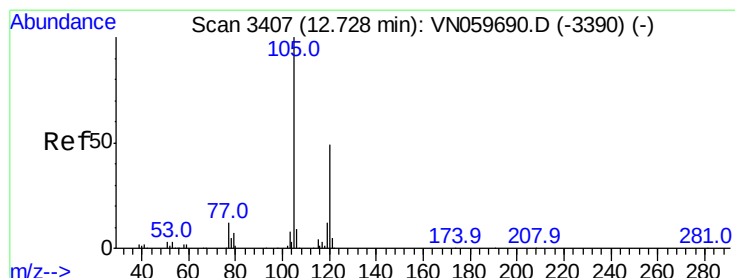
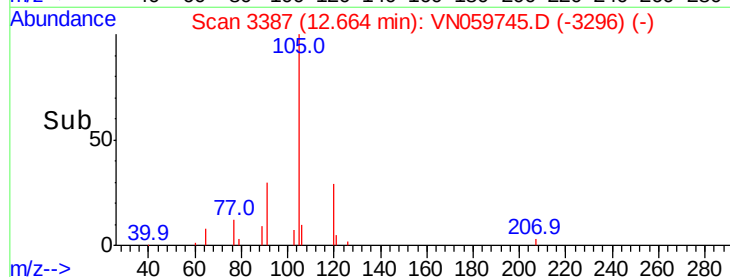
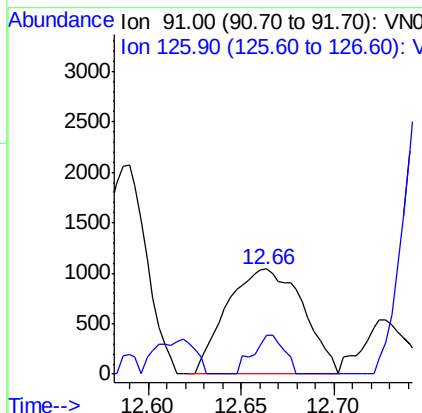
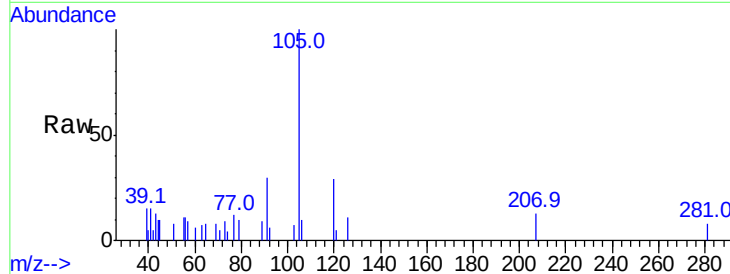




#79
 2-Chlorotoluene
 Concen: 0.508 ug/l
 RT: 12.66 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

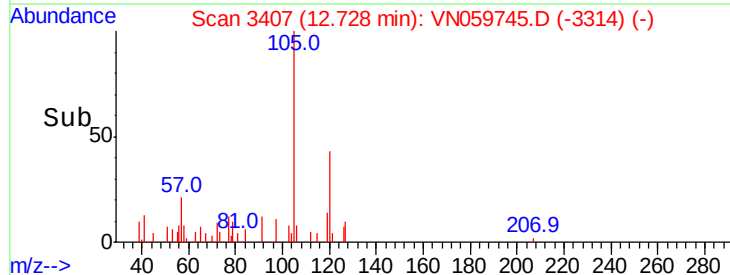
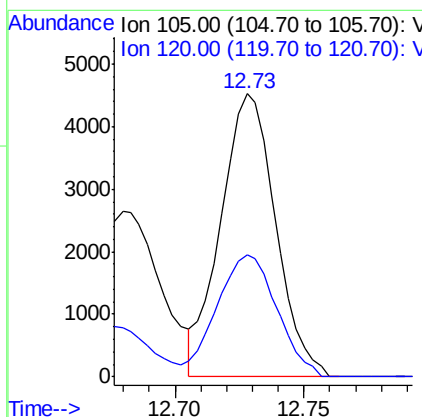
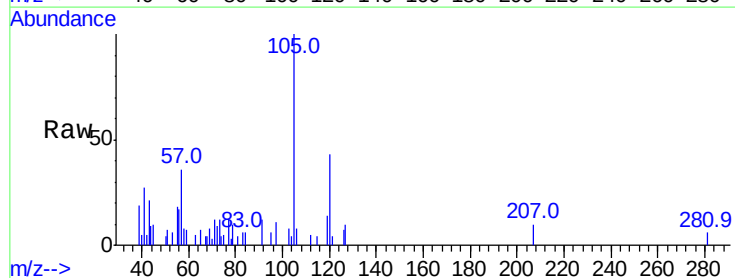
Instrument :
 MSVOA_N
 ClientSampleId :
 4001157623

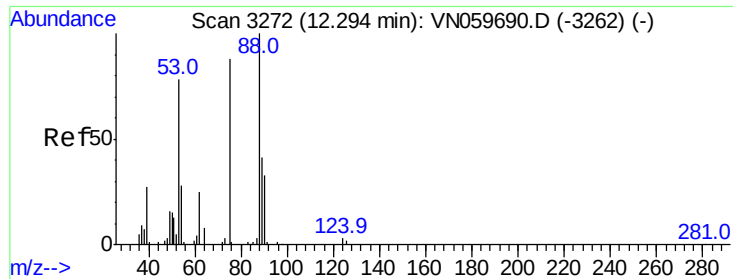
Tgt Ion: 91 Resp: 2986
 Ion Ratio Lower Upper
 91 100
 126 14.9 16.3 48.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.905 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion: 105 Resp: 6695
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.4

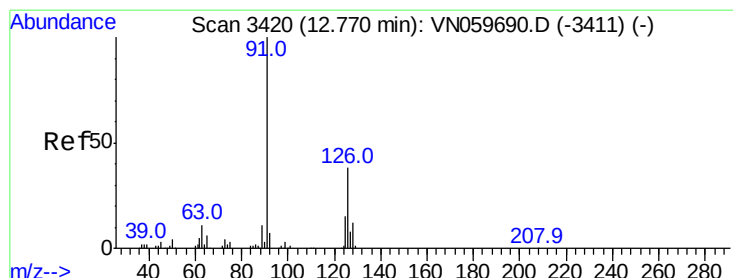
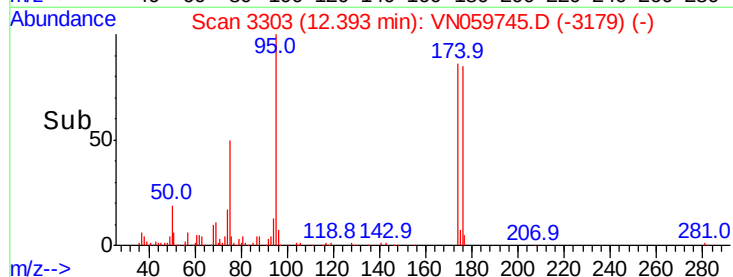
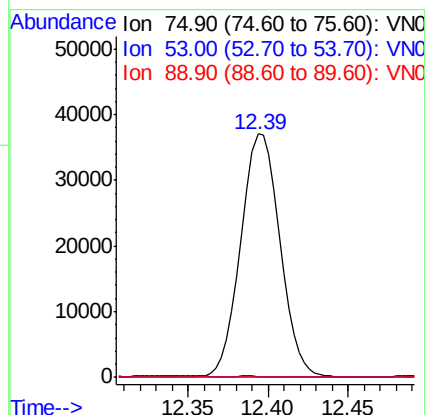
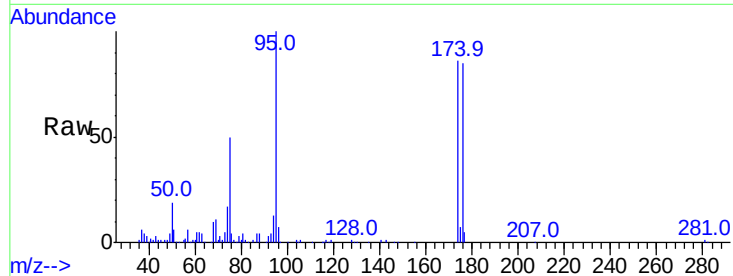




#81
trans-1,4-Dichloro-2-butene
Concen: 66.099 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.10 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

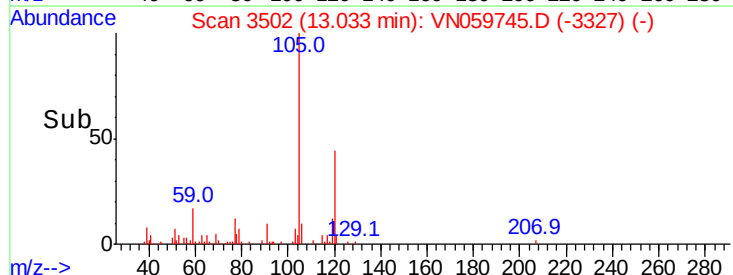
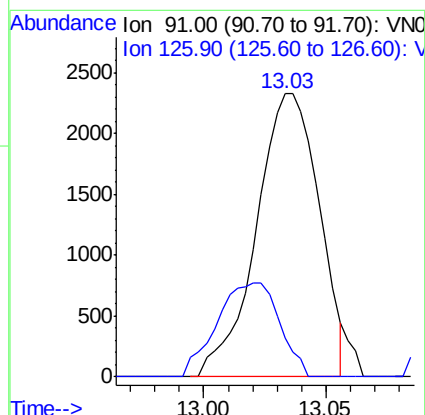
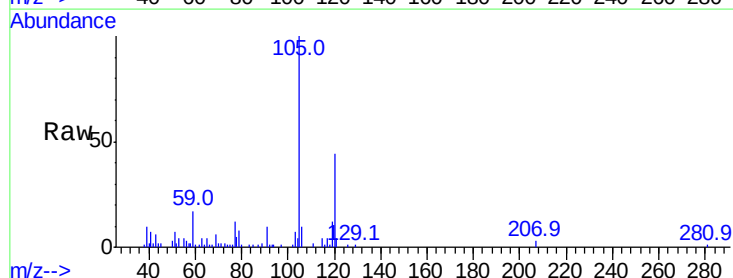
Instrument :
MSVOA_N
ClientSampleId :
4001157623

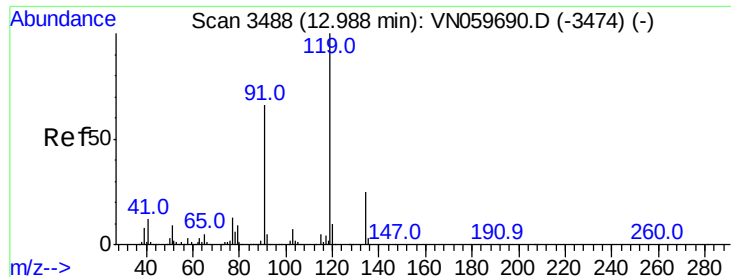
Tgt Ion: 75 Resp: 62121
Ion Ratio Lower Upper
75 100
53 0.2 78.1 117.1#
89 0.0 35.4 53.2#



#82
4-Chlorotoluene
Concen: 0.704 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.26 min
Lab File: VN059745.D
Acq: 16 Jan 2020 20:22

Tgt Ion: 91 Resp: 4144
Ion Ratio Lower Upper
91 100
126 33.2 16.3 48.8

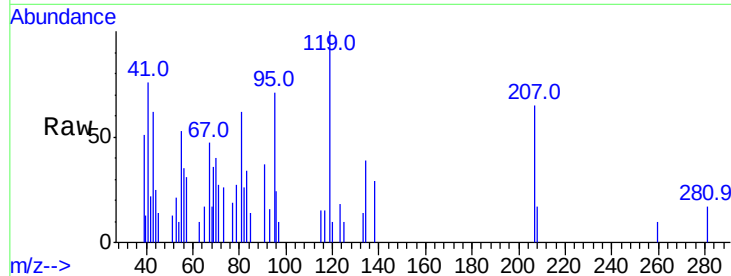




#83
 tert-Butylbenzene
 Concen: 0.433 ug/l
 RT: 13.23 min Scan# 3563
 Delta R.T. 0.24 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 4001157623

Tgt Ion:119 Resp: 2773
 Ion Ratio Lower Upper
 119 100
 91 44.1 34.8 104.4
 134 30.7 12.3 36.9

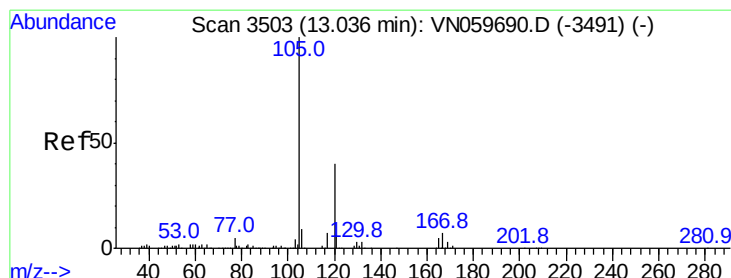
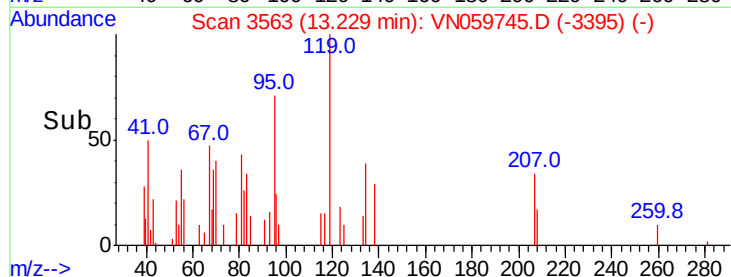
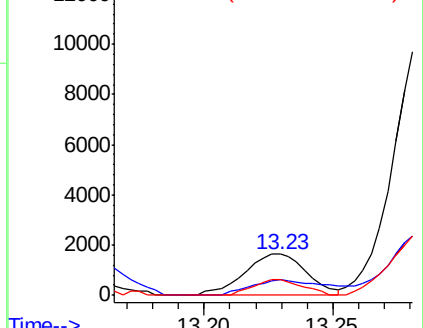


Abundance

Ion 119.00 (118.70 to 119.70): V

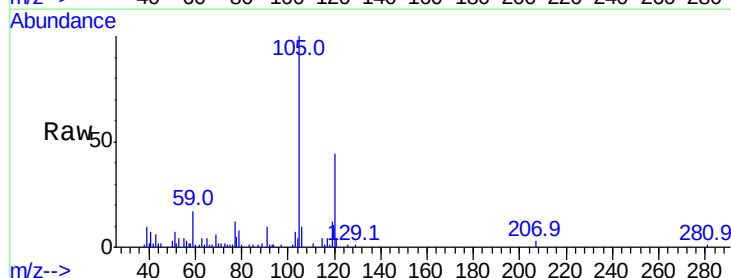
Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 4.899 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

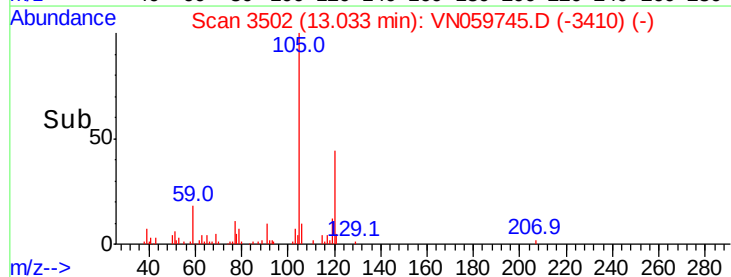
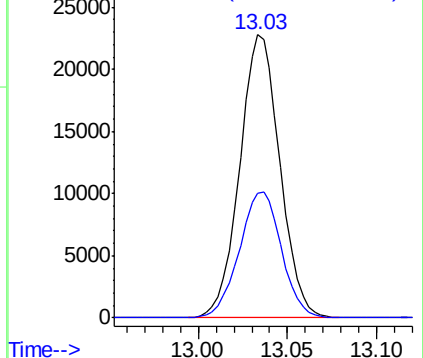
Tgt Ion:105 Resp: 35852
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.3 66.9

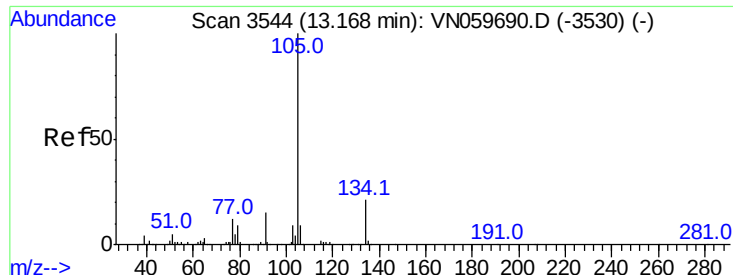


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

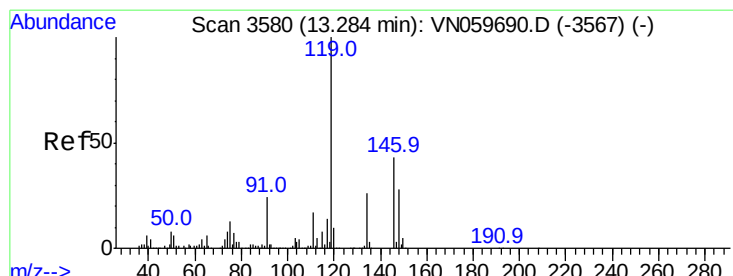
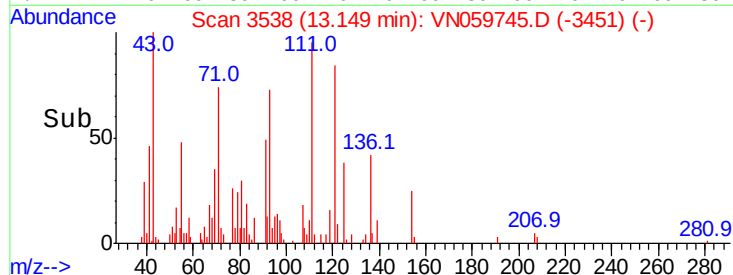
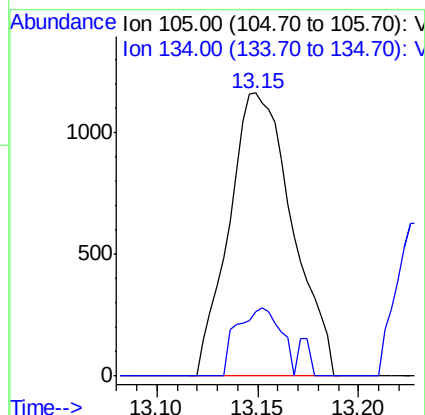
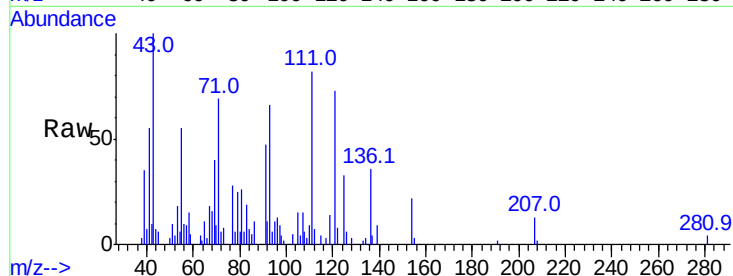




#85
 sec-Butylbenzene
 Concen: 0.302 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.02 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

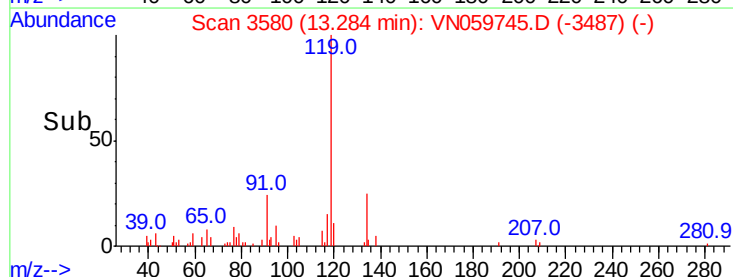
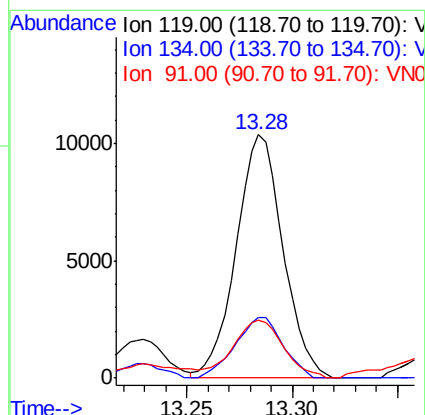
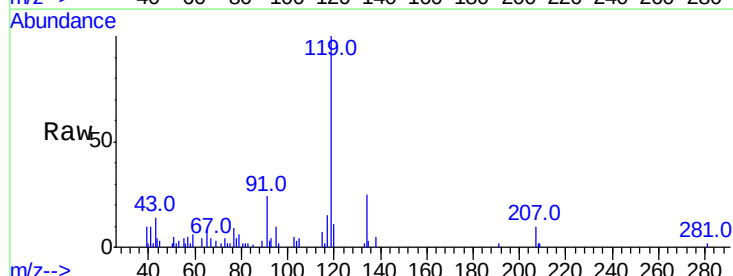
Instrument :
 MSVOA_N
 ClientSampled :
 4001157623

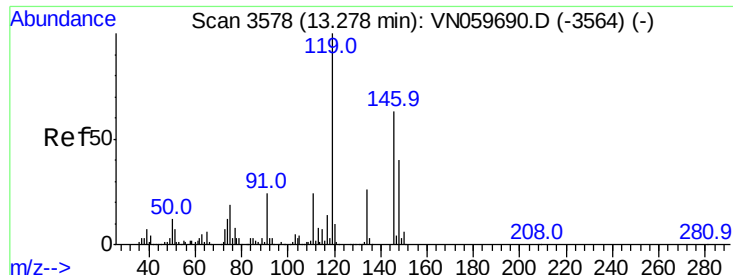
Tgt Ion:105 Resp: 2541
 Ion Ratio Lower Upper
 105 100
 134 16.8 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 2.057 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion:119 Resp: 15996
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 25.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 7.070 ug/l

RT: 13.36 min Scan# 3603

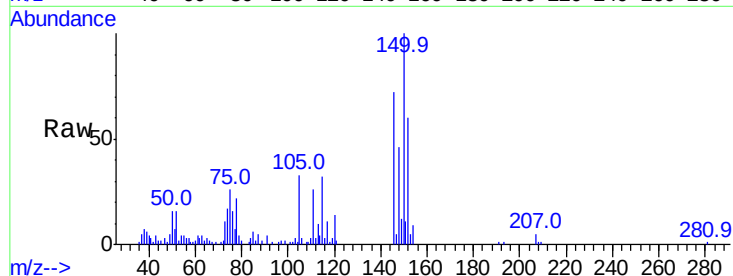
Delta R.T. 0.08 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :
MSVOA_N
ClientSampleId :
4001157623

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.2
148	65.2	32.0	96.0

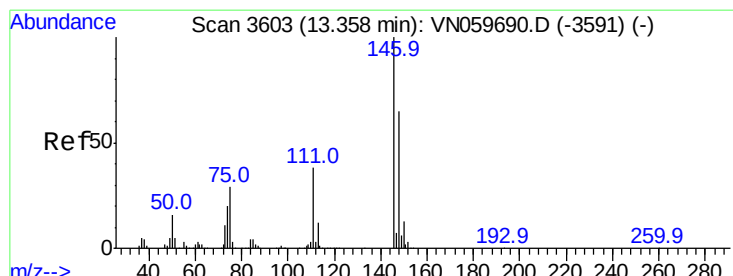
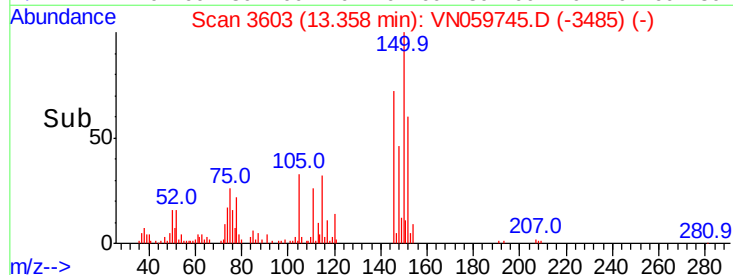
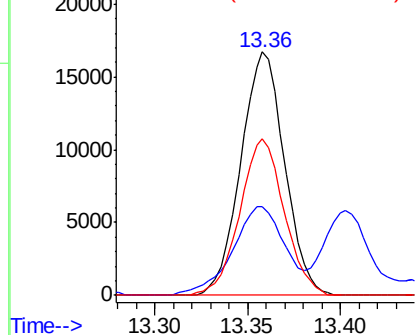


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 7.087 ug/l

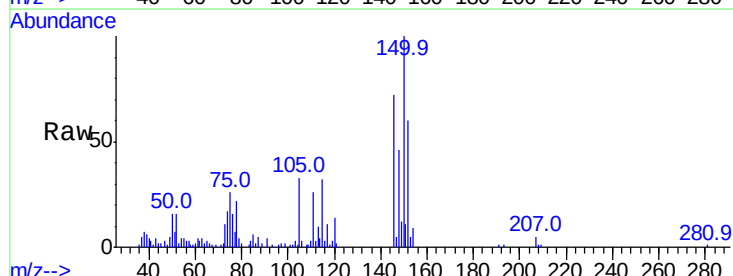
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.2
148	65.2	31.8	95.4

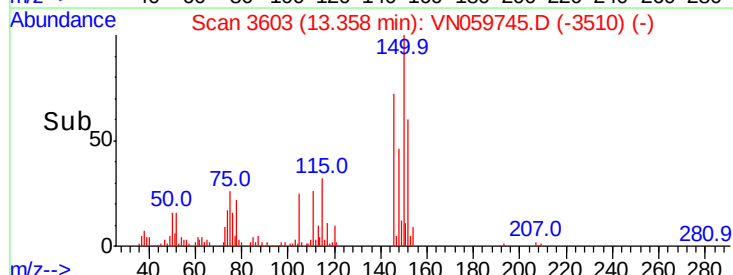
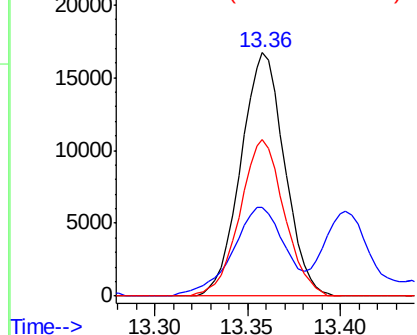


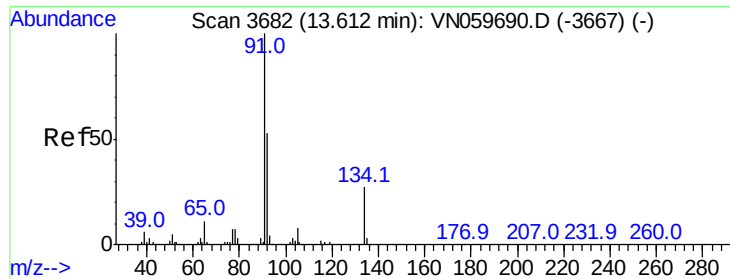
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.920 ug/l

RT: 13.54 min Scan# 3659

Delta R.T. -0.07 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

Instrument :

MSVOA_N

ClientSampled :

4001157623

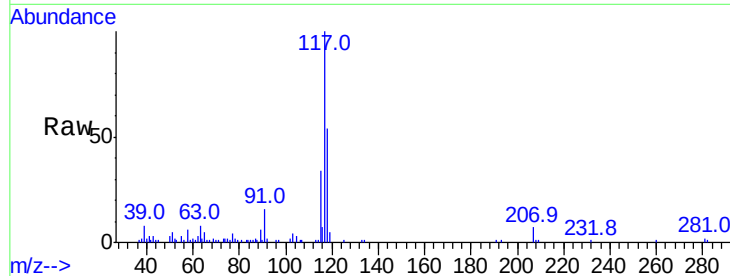
Tgt Ion: 91 Resp: 6104

Ion Ratio Lower Upper

91 100

92 8.7 25.9 77.7#

134 4.7 12.3 36.8#

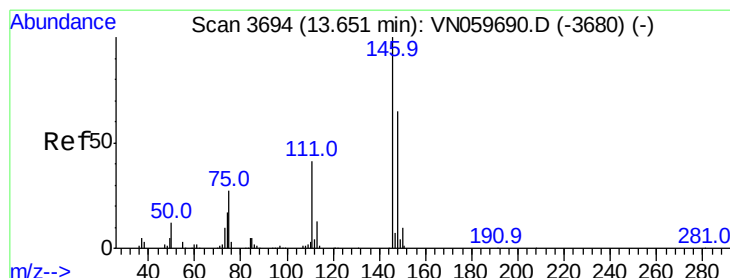
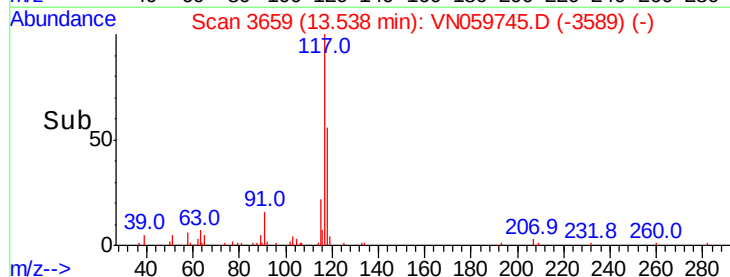
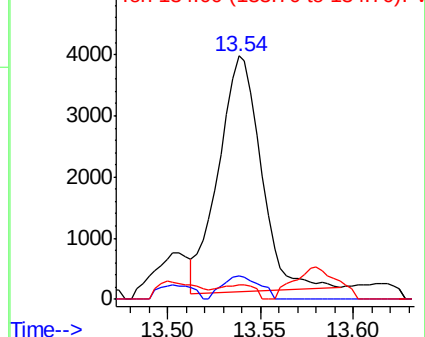


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: 0.352 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059745.D

Acq: 16 Jan 2020 20:22

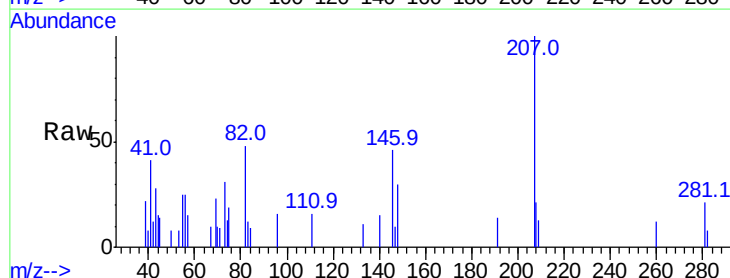
Tgt Ion: 146 Resp: 1346

Ion Ratio Lower Upper

146 100

111 35.4 21.6 64.8

148 67.4 31.6 95.0

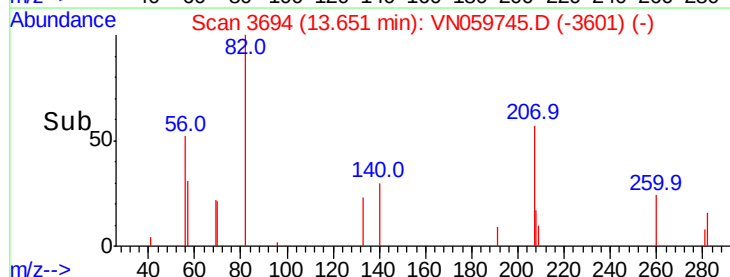
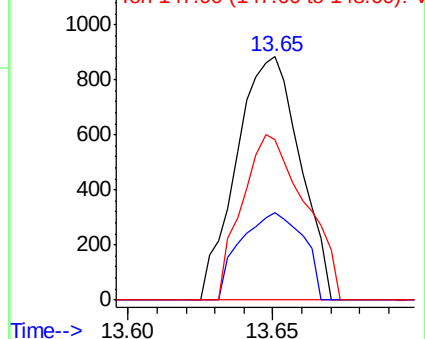


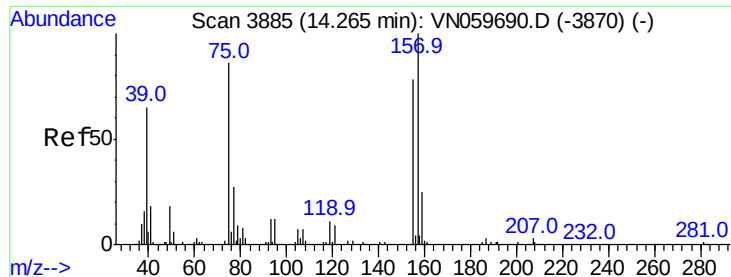
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

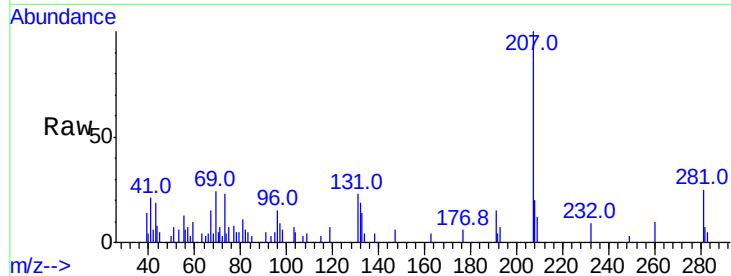




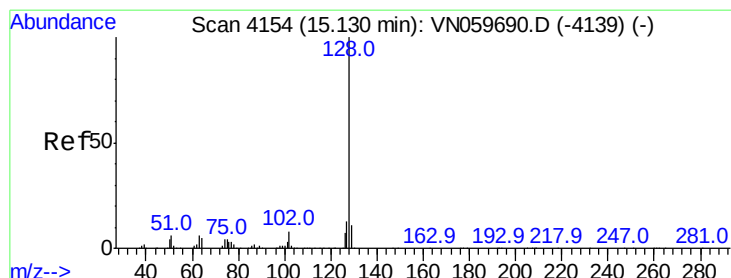
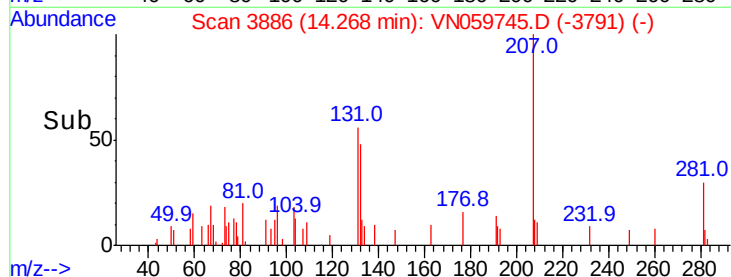
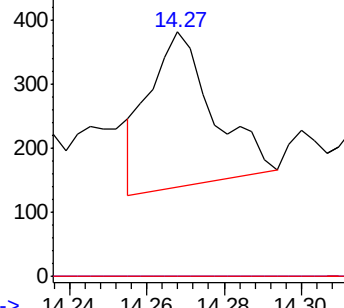
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Instrument :
 MSVOA_N
 ClientSampled :
 4001157623

Tgt Ion: 75 Resp: 278
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

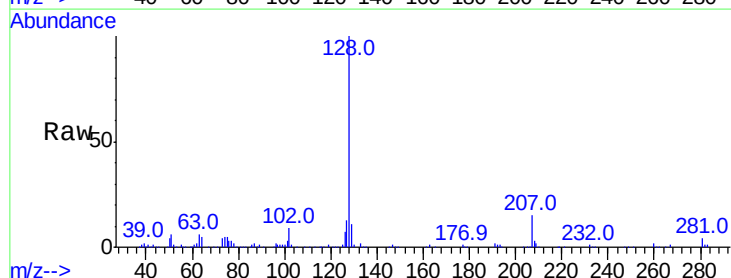


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 24.025 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN059745.D
 Acq: 16 Jan 2020 20:22

Tgt Ion: 128 Resp: 157061
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.4 15.6
 129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

